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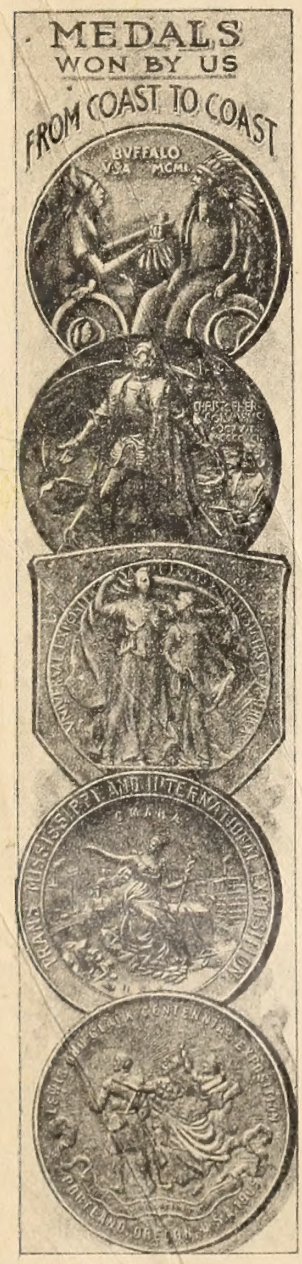
VAUGHAN'S SEED STORE

25 Barclay St. NEW YORK

ONLY HALF THE PLEASURE OF A GARDEN IS IN ITS BEAUTY — THE OTHER HALF IS IN ITS TENDING



Suggestions to Customers in Ordering from this Catalogue

A reading of the following will prove an aid to you and to us:

Early Orders: Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

How to Order: ***Write your name,*** postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Use Order Sheets: The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Vegetable Seed Orders should plainly state quantity before the name of the variety.
Flower Seeds may be ordered by number, always giving quantity.
Plant orders should give ***quantity, variety*** and ***size.***

Keep a Copy of Your Order: Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

Mistakes: These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Orders are Promptly Filled: Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

Freight or Express: All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

Our Terms: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose ¼ of the amount in remittance with order.

How to Send Money: Send cash with order (as we do not open book accounts for small amounts, and can only send to the value of money received), by New York or Chicago Draft, Registered Letters, or Postoffice or Express Money Order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail, by which you know it has reached us. If local checks are used 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned. See below.

We wish it understood that all our seeds sold under the following general non-warranty:

We do not warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

CHICAGO
31-33 W. Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
25 Barclay Street

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

Please read "How to Order" (in front of catalog,) before ordering, and save all misunderstanding.

ORDER SHEET TO VAUGHAN'S SEED STORE.

25 Barclay Street, NEW YORK. 31-33 W. Randolph Street, CHICAGO, ILL.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

NOTICE.—We do not warrant in any way, express, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale, at the moderate prices at which we sell our goods. Vaughan's Seed Store.

VERY IMPORTANT.—Write your name very plainly, and give your Post Office, County and State in full every time.

Your Name.....
(VERY PLAIN.)

Post Office.....

County..... **State**.....

Street, P. O. Box or Rural Delivery.....

Express Office {If different from P. O.}.....

Gardener's Name.....

Date.....*1912*

AMOUNT ENCLOSED.

LOOSE MONEY IS NOT SAFE.
State how much money you enclose.

Make money orders or checks payable to Vaughan's Seed Store.

Money Order - $.....

Draft or Check - $.....

Postage Stamps $.....

Cash - - - $.....

Please forward goods by {Mail, Freight or Express.}.....

Our Order No.

Please do not write here.

OUR PRICES INCLUDE POSTAGE on Packets, Ounces, Quarter-Pounds and Pounds of VEGETABLE and FLOWER SEEDS; also on PLANTS and BULBS, EXCEPT WHERE NOTED.

OUR PRICES DO NOT INCLUDE POSTAGE on Pints, Quarts and larger amounts of Beans, Peas, Sweet and Field Corn, nor on amounts larger than one pound, except where it is marked otherwise.

PLEASE CARRY OUT THE PRICE OF EACH ITEM.

Bush.	Qts.	Pints.	Lbs.	Ozs.	Pkts.	NAMES OF ARTICLES WANTED. (Use Special Order Sheet for Plants.)	PRICE.	

"BY FREIGHT OR EXPRESS" always means that transportation charges are to be paid by the purchaser.

[OVER]

☞ We will consider it a special favor if you write below the names of some of your friends who are likely to use seeds or plants. ☜

NAMES.	POST-OFFICE.	COUNTY.	STATE.

Bush.	Qts.	Pints.	Lbs.	Ozs.	Pkts.	NAMES OF ARTICLES WANTED. (Use Special Order Sheet for Plants.)	PRICE.	

Filled by.. ..... *Checked by*..... *Packed by*.....

Shipped via..... *Style of pkge*.....

Date..... *Book*.....

The Coming of Spring

ADAM was a gardener and all his race seem to have been born with a love of the soil. With each recurring springtime comes a re-awakening of this original instinct to dig the ground and plant the vital seed in the inviting and receptive earth. And every spring is a new one; the bursting of the buds, the greening of the woods and fields as the soft breezes come northward in an April night, give to every man a sense of Nature new born and newness of life and ambition in himself. Here is another chance for the sower of the seed to make good, to mend old ways, to create new beauty and added values from the willing and patient soil; he looks for the best seeds, for better and rarer plants and the best and most labor-saving tools and books and counsel to guide.

Seed catalogues have come to be considered indispensable forerunners of these April days with their desires and increasing planting needs.

It is the wish and pride of Vaughan's Seed Store to help; for thirty-five years the spring edition of our Gardening Illustrated has been re-edited to eliminate seeds and plants of least value, to keep those of proven worth and to add novelties of promise.

We as seedsmen would be recreant followers of a noble calling did we not strive to provide lovers of this "Art which doth mend Nature" with seeds, plants and flowers of such freshness and vitality as are worth planting, since poor seed is little better than seeds of weeds.

We are not alone a source of supply but we advise and counsel freely and without charge. Our force in various departments contains experts for this side of our work and we invite you to call or write for such information as may be needed.

VAUGHAN'S NOVELTIES and SPECIALTIES in VEGETABLE SEEDS

On this and the four following pages we make special note of entirely new vegetable varieties and also special or new strains of old sorts; improvements on the standard kinds in general use. We point out the particular advantages to be gained by growers, who plant these novelties, such facts being obtained through trials and field observations. We are glad to say that each year the general grade of our seed is better than the year before; the result of a careful, painstaking and systematic effort on our part. Although the process of development is slow, in the next decade we expect that the grade of seed we offer will be far superior, in nearly all lines, than that we now have. These few pages show the results of the work accomplished the past few years by ourselves and others in improving various vegetables.

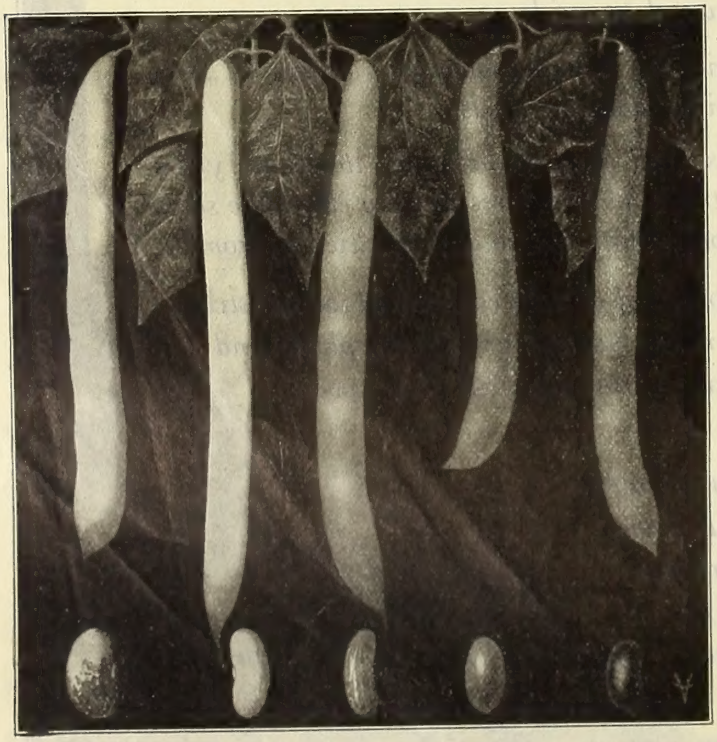
"Vaughan's Special" list (standard old varieties which we are improving by scientific selection) is increasing every year. "Vaughan's Specials" are grown by Vaughan's Seed Store or under our direct supervision and absolute control.

BONVALLET'S GIANT ASPARAGUS

In our opinion the most desirable sort to date. The photograph from nature opposite shows a bunch and a single stalk of Bonvallet's Asparagus grown white, and compared with a bunch of ordinary, first class green variety. "White Grass" is produced by planting the roots much deeper than for "green" and the succulent stalks are cut underneath the ground just as the tip makes its appearance. White asparagus should be peeled in preparation for the table and will be found of almost entirely different and most exquisite flavor, sweeter, juicier, and more tender than when grown green. The highest quality asparagus is had only by the grower, himself, for a few hours after cutting the stalks dry out and rob the vegetable of much of its piquant flavor and tenderness.

Of all varieties, Bonvallet's Giant produces, under favorable conditions, the highest quality white asparagus on the American market. Grown green, it beats the popular purplish type and is a favorite wherever grown, and it is now planted in the middle western sections to almost the exclusion of all other sorts. It is the most vigorous and healthy of all the strains of asparagus we have tried, and will usually produce a crop a year in advance of other kinds. Bonvallet's Giant is a selection from the French Argenteuil resulting from a stalwart, healthy, vigorous plant originally taken from a field of "grass," the balance of which, together with several other fields, had been ruined by asparagus rust. Resetting since that time having been practiced, the strain has been improved each year. The yield is much larger in season than most kinds because its crown does not divide.

Roots two years old, doz 25c (by mail 35c), 100 $1.50 (by mail $2.00); by express only, 1,000 $10.00. Three year old transplanted plants, by express only, doz 50c, 100 $2.75, 1,000 $22.00. Seed pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.35.



Beginning at the left: (1) Wardwell's Wax; (2) Davis Kidney Wax; (3) Longfellow Green Pod; (4) Stringless Green Pod and (5) Black Valentine, types from nature of a few Vaughan's Special Beans, our own breeding and growing in Central Michigan.

ASPARAGUS—BONVALLET'S GIANT, White Compared with an Ordinary Green Sort.

BEANS—"A Few Vaughan's Specialties"

The illustrations from nature of five kinds of beans on this page represent the types of the popular market garden beans—beginning at the left (1) Wardwell's Wax, (2) Davis Kidney Wax, (3) Longfellow, (4) Stringless Green Pod and (5) Black Valentine, toward which we have been re-selecting and breeding up our stocks for the past six years on our farm in Central Michigan. As a result of this work we are able to offer our customers strains of beans we know to be right. We offer similar fancy strains of the following other sorts: Earliest Red Valentine, Extra Early Refugee, Refugee or 1000 to 1, Improved Golden Wax, Currie's Rustproof Wax, Hodson Wax and Round Pod Kidney Wax.

The superiority of our stocks of Beans is based on the following points—**Trueness to type**; every field carefully cleared of "off" plants; chance mixtures in threshing eliminated; we are "line breeding;" **Vigor**, our seed is almost free from blight or anthracnose. **Sample**—we put more expense on cleaning and picking our beans than does any other firm.

See pages 18 and 19 for further descriptions.

Wardwell's Kidney Wax. Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); by express, pk $1.60, bu $6.00.

Davis Kidney Wax. Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); by express, pk $1.60, bu $6.00.

Longfellow. Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c); by express, pk $1.50, bu $5.50.

Stringless Green Pod. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); by express, pk $1.60, bu $6.00.

Black Valentine. Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c); by express, pk $1.50, bu $5.50.

FULL MEASURE GREEN POD BEAN

A new main crop season variety; this supplies a long felt want for a **Stringless Round Green Pod Bean.** This is a bush bean, and although somewhat later than stringless green pod, when it is planted with that sort it will yield a crop when the earlier variety has just ceased to bear. Being a **round** pod instead of a flat pod, it is held much in preference to the latter by planters. The vines of this variety are strong and very productive; the pods are perfectly round, without any string, about five inches long, quite straight, firm, tender and of the best flavor. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), pk $1.60, bu $6.00.**

NEW THINGS IN BEANS

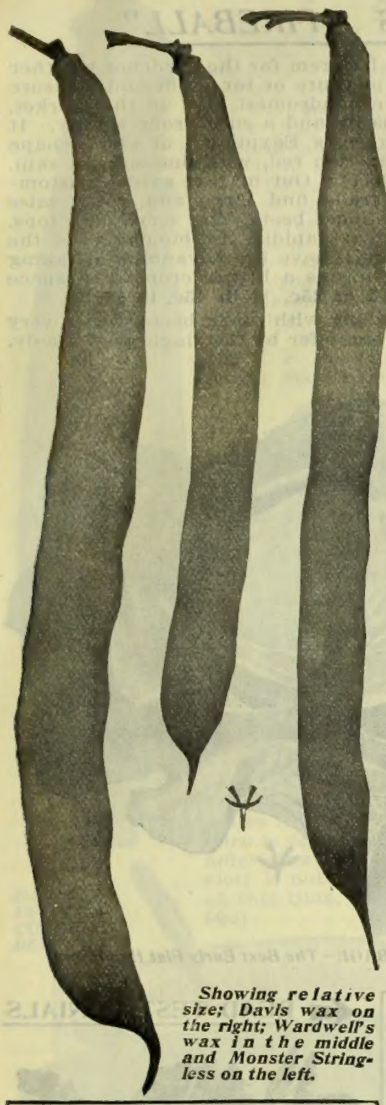
VAUGHAN'S MONSTER STRINGLESS WAX

Illustrated on this page, side by side with two well known and splendid varieties of wax beans, is **VAUGHAN'S MONSTER STRINGLESS WAX.**

From left to right, of the illustration, they are arranged as follows: Vaughan's Monster Stringless, Wardwell's Stringless and Davis Stringless. So far as size is concerned the illustration is fully explanatory.

So far as other features are concerned, we have this to say: **Vaughan's Monster Stringless Wax** has no superior as to **quality** and **flavor.** It is so stringless and tender (without any linen in the pod) that it can be used on the table up to the time the bean is almost ripe. Its color is a light handsome yellow, a color which it assumes almost from its setting. In size it is the largest of all Bush Beans; about half an inch thick and 5 to 8 inches in length. In addition to its superior quality and size, Monster Stringless Wax is early, being within a couple of days of the popular early "Wardwell's Wax." Unlike its parent, Yosemite Wax, it matures its beans evenly and well together. As to location this variety does its best on the rich prairie soils of the West. This strain shows up well at exhibitions where its superiority can be seen by comparison. It is unsurpassed for private gardens.

Pkt 10c, pt 20c (by mail 28c), qt 40c (by mail 55c), pk $2.50.



Showing relative size; Davis wax on the right; Wardwell's wax in the middle and Monster Stringless on the left.

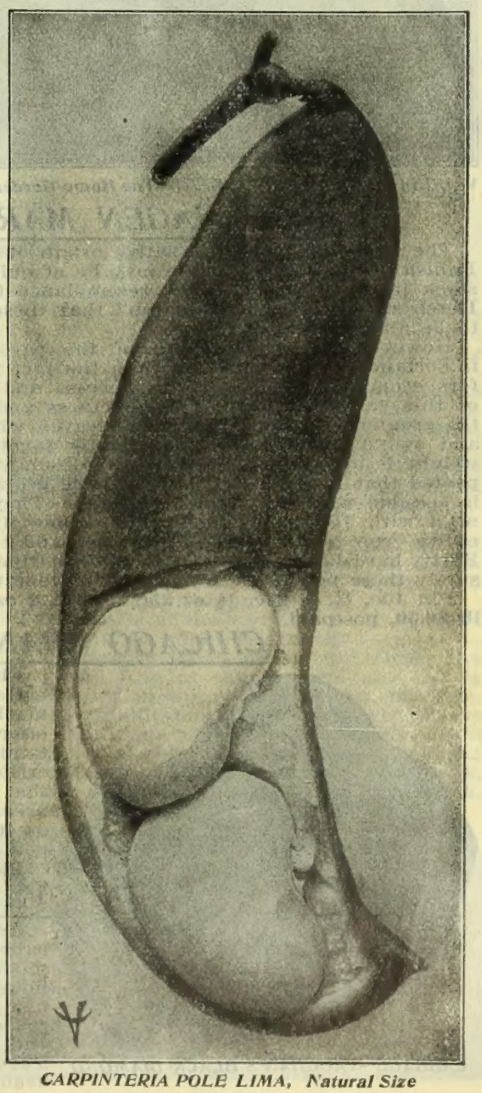
OUR KEY TEST For several years all our seeds have been tested for vitality in damp blotters, using in each collection a proven sample of a similar variety whose germination is positively known to us as a key. By this plan we prove the correctness of the test and are sure of the real percentage of growth.

NEW GREEN-SEEDED POLE LIMA "CARPINTERIA"

The Most Perfect Pole Lima Bean

As an example of exceptional merit in Pole Lima Beans we show a good illustration of a new-green-seeded pole Lima—CARPINTERIA. This is termed the "most perfect Pole Lima" bean because of exceptional distinctive features. The **green color** in **Lima Beans** being indicative of **fine quality**, the variety we are now considering possesses fine quality to an unusual degree. This handsome **green tint** is retained longer in this variety, in either dry or ripe state, than any other Pole Lima Bean. Carpinteria is as prolific as any White Lima. The vines are very strong, vigorous in growth, with many large runners or branches on which are produced an immense quantity of pods, filled with three to four, usually four, large broad beans. The seed or bean being broad, and every bean being nearer perfect in this than in any other Pole Lima, justifies the popularity which this variety is rapidly attaining.

Pkt 15c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.50.



CARPINTERIA POLE LIMA, Natural Size

KENTUCKY WONDER WAX

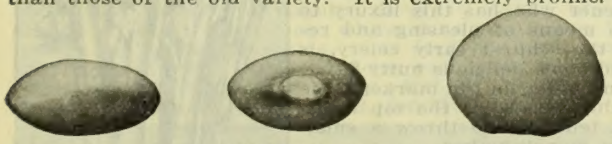
Of the numerous Wax Pole Bean varieties, Kentucky Wonder is the best to date. The habits of vine and pods are similar to those of Old Kentucky Wonder Green pod. The quality, however, is in every respect superior. It is a very prolific sort, beginning to bear when scarcely higher than the average Bush Bean, and keeps on producing until killed by frost. The pods, in color golden yellow, are so fleshy that they frequently are greater in thickness than in width. They are entirely stringless and when cooked have a delicious rich flavor.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); by express, ½ pk $1.10, pk $2.00.

FORDHOOK BUSH LIMA

This new "Potato" Lima bred from the old Kumerle or Dreer Bush Lima, upon which this new strain is a great improvement, has much to commend it. In its form of growth this new variety is stiffly erect, whereas the older kinds grew low and spread out, discoloration of the pod from lying on the ground often being a detrimental result. Its season is early. The pod is twice as large as the Kumerle Bush Lima, and contains four or five large beans, themselves much greater in size than those of the old variety. It is extremely prolific. In quality this novelty produces green beans which are tender, juicy and sweet in contrast to the dry and mealy character "Potato" type.

Pkt 10c, pt 25c (by mail 33c), qt 40c (by mail 55c), pk $2.50, bu $9.00.



FORDHOOK BUSH LIMA

Burpee's Improved Bush Lima

Of the large seeded Bush Lima Beans this variety may be regarded as the best. Larger in size than the average of the New Wonder, the vines of these beans produce a considerably larger crop. The pods are larger than the old varieties and contain beans which are proportionately thicker and longer than those of the older kinds. The quality is excellent. In season a week earlier than the "New Wonder," or "Burpee's Bush Lima."

Pkt 10c, pt 25c (by mail 33c), qt 40c (by mail 55c), ½ pk $1.35, pk $2.50, bu $9.00.

BURPEE IMP.

VAUGHAN'S "FIREBALL" BEET—The Home Garden Variety Par Excellence

VAUGHAN'S "FIREBALL"

Vaughan's "Fireball" Beet is a gem for the gardener whether in the business for only the pleasure or for profit and pleasure combined. It is not only the handsomest beet on the market, but is also of superlative quality and a sure profit winner. It is early, seasoning with "Crosby's Egyptian," of globe shape and in color a beautiful, deep rich red, with fine smooth skin. The flesh is solid and very sweet. Our market garden customers who cater to a fancy trade find large and quick sales at high prices for this exceptional beet. The very small tops, which do not permit as great rapidity in bunching as the larger tops of some other kinds, have the advantage of taking less room in the bed. This means a bigger crop when space is limited. **Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb $1.25.**

Our crop of this variety, along with other beets, was a very short one and we regret we can offer by the single pound only. Price above.

COPENHAGEN MARKET CABBAGE—The Best Early Flat Head Sort

COPENHAGEN MARKET

The name indicates the native origin of this cabbage to be Danish; but while the name may be of quite recent birth, the stock itself bears such close resemblance to the **Old Popular Dutch variety "Early Ditmarsh"** that these two strains seem to be almost identical.

However, the exact origin of the parent seed is of less importance to the gardener than the fact that this strain offers economic advantages for success and profit. The habit of this variety is that of compactness and it grows close to the ground on a short stem. The leaves, which are light green and round dish-shaped, fold tightly together. The average weight is about ten pounds and so solidly is the head compacted that many more plants can be grown to the acre than is possible with some other varieties. They mature early, almost with Jersey Wakefield and at one time, permitting the entire crop to be harvested at once and the ground cleared. Early, hard-heading, compact, uniform ripening, good quality, surely these points are worthy of consideration.

Pkt 10c, ¼ oz 20c, ½ oz 35c, oz 65c, 2 oz $1.00, ¼ lb $1.75, lb $6.50, postpaid.

Hollister, Cal., Aug. 1, 1911.
Vaughan's Seed Store:—
I planted the following Sweet Corn on the same date—Golden Bantam, Early Minnesota and your Early Iowa. The Early Iowa was the first largest and best.
Leon Wheeler.

Crookston, Minn., Oct. 8, 1908.
Vaughan's Seed Store:—
I have grown your "Chicago Celery" and it is simply out of sight. It stands 30 inches high, and I have disposed of all I had at $70.00 per thousand.
J. F. Hetler.

READ TESTIMONIALS

CHICAGO GIANT SELF-BLANCHING CELERY

Chicago Giant is in every respect the superior of all other extra early white celeries. It can be sown in February and marketed by July 1st. The gardener who has this luxury to offer to his customers has a sure means of pleasing and retaining trade. "Chicago Giant," the whitest early celery, is crisp, tender, very sweet, brittle and has a delicious nutty flavor that is incomparably superior to any other on the market. We are sparing no expense to keep this variety at the top notch as its usual vigor has given it a tendency to throw a small per cent of off-type plants. It is a money-maker.

Pkt 10c, ½ oz 20c, oz 35c.

CHICAGO GIANT SELF-BLANCHING CELERY

CABBAGE—VAUGHAN'S BLACK DIAMOND

VAUGHAN'S BLACK DIAMOND CABBAGE

As a second early, this is the best hard heading black-red cabbage. Of medium size, with but two outer leaves, it has all the hard heading keeping qualities of the "Glory of Enkhousen," a like sort in white cabbage. In Europe, where this new variety originated, it is popular and considered the finest red cabbage. It combines earliness and good keeping quality and is a splendid kind for the market gardener. Having few leaves, it permits close planting and produces compact, hard heads. **Pkt 10c, ½ oz 20c, oz 30c, ¼ lb $1.00, lb $3.50.**

IOWA

SWEET CORN—MALAKOFF

The earliest variety of high quality and sweetness. There are many varieties offered as the "earliest Sweet Corn," some, no doubt, with sincerity and belief. The peculiar nature of sweet corn, however, makes a variety, continuously and carefully bred in one locality, the earliest sort for that section, but under different conditions this sort may ripen much later than locally grown sorts. Uninformed seedsmen, ignorant of this natural phenomena, have misled many a confiding customer with their "earliest strains." We, therefore, in describing Malakoff, qualify our description by saying it is the earliest sweet corn we have grown under Illinois and Michigan conditions where we have raised it. It is, however, everywhere the earliest sweet corn of high quality and sweetness, for most of the early sorts are very inferior in this respect.

The stalks grow only three feet high and may be planted close together, thus producing a good yield on a small space of ground. The ears are of fair size, suitable for local market and home use, but too small for shipping. We have, in the past few years, by selection, increased the size of ear and improved the sugar. A Russian variety introduced by the U. S. Department of Agriculture. **Pkt 10c, pt 15c (by mail 20c), quart 30c (by mail 40c); by express 2 qts 45c, 4 qts 80c, pk $1.50.**

NEW SWEET CORN—EARLY IOWA

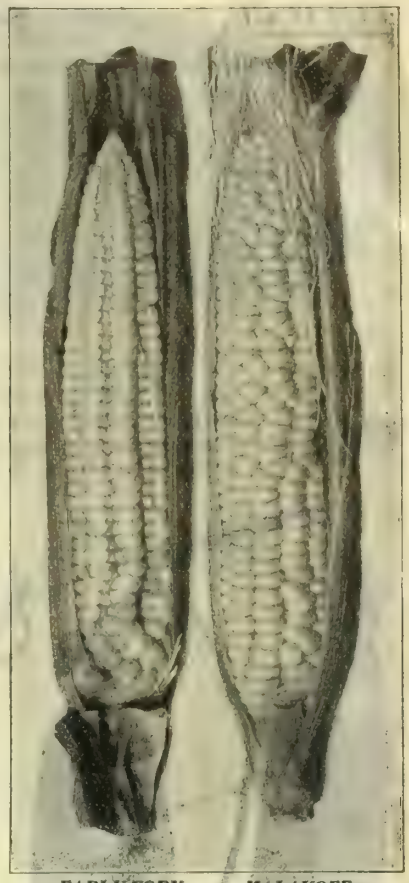
This variety on rich soil is almost as early as Malakoff and the ears are larger. The illustration on this page, to the left, gives a good idea of size and evenness of the rows of kernels. It is earlier than "Early White Cory" by about a week, but not quite as early as Malakoff. It is a real sweet corn of excellent quality. The stalks are short with little foliage. Ears are eight rowed and usually two ears to a plant. For first planting for market growers and home garden it is an excellent sort. One of the most successful market gardeners in the state of Iowa, who originated this strain and has grown it many years, is always in market a week or ten days ahead of competitors.

VAUGHAN'S SPECIAL

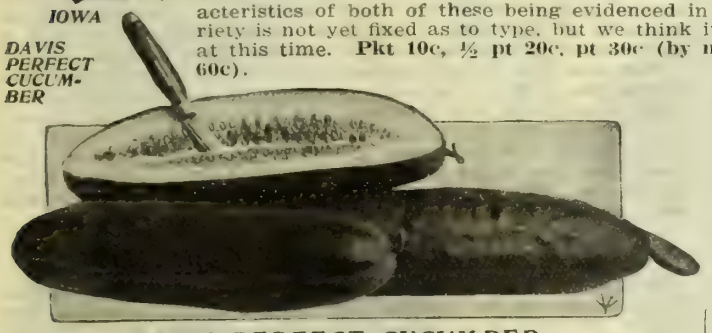
Pkt 10c, pt 20c (by mail 25c), qt 35c (by mail 45c); by express 2 qts 50c, 4 qts 90c, pk $1.60.

GOLDEN CREAM *(A cross between Country Gentleman and Golden Bantam)*

A new sweet corn of California origin, and described by the growers as follows: Golden Cream is a very early yellow "Country Gentleman" sweet corn. The kernels are long and pointed; the cob is very slender and the whole ear about as long as "Golden Bantam." The flavor is remarkable, in fact, very much the same as Golden Bantam. The habit of growth is rather dwarf and the stalks bear two to four ears. The stalks are brownish-red and the silk is also brown at the top. This new corn is bred from "Country Gentleman" and "Golden Bantam," the characteristics of both of these being evidenced in the new strain. The variety is not yet fixed as to type, but we think it of sufficient value to list at this time. **Pkt 10c, ½ pt 20c, pt 30c (by mail 35c), qt 50c (by mail 60c).**



EARLY CORY. MALAKOFF.
Planted at the same time. Malakoff ready one week earlier than Cory.



DAVIS PERFECT CUCUMBER

DAVIS PERFECT CUCUMBER

Of the extra long "White Spine Type," the "Davis Perfect" fulfills the requirements of the demands for this type of cucumber better than any other variety. This fact is clearly shown in the Northern States, where the Davis is the most popular cucumber of this kind. A veteran grower of outdoor and greenhouse cucumbers made the original selection, and the most desirable cucumber features, length, slimness, and dark green color, are combined in this strain, together with extreme vigor in growth, and great productivity. The remarkable vigor of this variety makes it a better **blight resister** than other long sorts. In popular favor it stands pre-eminent among all other extra long, white spine cucumbers, both for indoor and outdoor planting. Our seed has been most carefully selected under our supervision each year, and we offer a more uniform strain each season. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.50. Stock seed, pkt 15c, 2 for 25c, oz $1.00.**

HOODOO

The "Money Melon"

This has never been a hoodoo for those who grow it. On the contrary, a better melon everywhere than the Netted Gem (or Rocky Ford). It may well claim the name **HOODOO** as indicating the effect it has on other melons. When a prime consignment of this one strikes a good market all the other kinds are promptly Hoodooed.

It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resisting. It retains the high quality of the Paul Rose, its parent. A grand shipper to distant markets.

Quality—The flesh is of fine grain (not stringy) and of the sweetest flavor. **HOODOO** melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

Size and Shape—The size of **HOODOO** is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

Flesh and Color—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

As a Shipper—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

Prolific—A wonderfully prolific melon, which nearly always even under unfavorable conditions produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties. **Originators' stock, pkt 10c, oz 25c, ¼ lb 70c, lb $2.50. Regular stock, pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.**

VAUGHAN'S SPECIAL

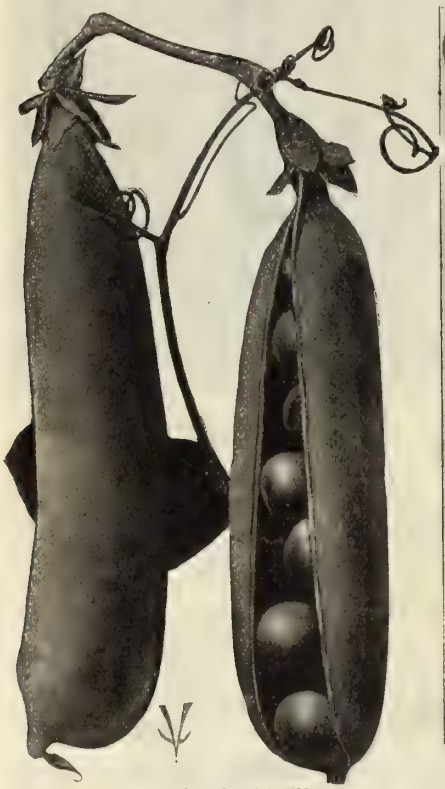
LETTUCE, Vaughan's Select Grand Rapids

See illustration opposite, drawn from nature.

This is one of the Famous Vaughan Specialties. Our stock of this variety which we supply by the hundreds of pounds to the Greenhouse and Market Gardeners throughout the United States is as nearly perfect as it is possible to grow the variety. We use such extreme care on this that we even check our growing reports by Greenhouse purity test before selling the different lots.

Grand Rapids is a finely curled leaf lettuce and is the kind most planted in those sections where leaf lettuces are in favor. It is the ideal greenhouse and hot bed variety for it produces a beautiful, finely curled, crisp leaf in the shortest possible time; it takes up very little room in the beds owing to its upright habit and in the market it will keep from wilting longer while exposed for sale than any other variety. In the garden, for those who like a leaf lettuce, there is no more tender, crisp, and better flavored sort.

VAUGHAN'S SPECIAL **Vaughan's Select Stock: Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.25, 5 lbs $5.50. Regular Stock: Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c, 5 lb $3.25.**



LITTLE MARVEL

LAXTONIAN

THREE SUPERB NEW PEAS

Although the Pea Crop is probably, this year, the shortest ever known, we are fortunate in having a fair supply of three of the finest new varieties of peas yet introduced, and we price these at only a small premium over the regular standard varieties on which these are great improvements. Our seed is acclimated, American grown, far more vigorous, and of better germination than English or European Stock.

NEW DWARF PEA, LITTLE MARVEL

A greatly improved Nott's Excelsior, whose place in first favor among the early dwarfs, Little Marvel will surely take. In season this new sort ripens with the American Wonder and Nott's Excelsior while the pods are larger and usually contain one or two more peas. Its two striking features, however, are as follows: the pods are dark, a much more attractive color than the light green; and the peas, when ready for the table, stay in excellent condition for a week longer than "Nott's" or "Wonders" which sorts must be eaten within three days when ripe or else they become tough and dry. The vines are wonderfully prolific and the pods are jammed with luscious, sugary peas. **Pkt 10c, ½ pt 20c (by mail 25c), pt 35c (by mail 43c), qt 60c (by mail 75c), 4 qts $2.25, pk $4.00.**

LETTUCE, VAUGHAN'S SELECT STOCK GRAND RAPIDS

LAXTONIAN PEA—The New Dwarf "Gradus"

The tall, extra early, Gradus pea, with its large telephone-like pods and its exquisite flavored peas is one of the most popular of all peas. In Laxtonian we have a dwarf type of the Gradus with the same large pods—a few days later in season but on the other hand requiring no supports—and the same superlative quality peas. This new Dwarf Pea is the largest podded of all the early dwarf peas and requires no supports of any kind. Laxtonian almost makes for itself a new class of garden peas—Giant Podded Early Dwarfs.

This new pea ripens in season a few days later than the first earlies, the pods are as large as Telephone and well filled with eight to ten large and delicious peas. We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous and productive than English Stock. **Pkt 15c, ½ pt 20c (by mail 25c), pt 40c (by mail 48c), qt 75c (by mail 90c).**

PEAS, VAUGHAN'S BEST EXHIBITION

A variety slightly later in season than Telephone. Vines tall and should be brushed or trellised. The pods are the largest we have ever seen grown. They contain 8 to 10 peas of the very best flavor. In trial with some fifty other kinds of tall peas VAUGHAN'S BEST EXHIBITION produced the largest and handsomest pods of any. Crop is very short this year. **Pkt 15c, ½ pt 30c, (by mail 35c), pt 60c (by mail 68c), qt $1.10 (by mail $1.25).**

RADISH GIANT BUTTER

NEW FORCING RADISH GIANT BUTTER

A Novelty of Sterling Merit

This is by far the largest of the early, turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. **Pkt 10c, oz 25c.**

CARDINAL FORCING

Of all forcing radishes of the globe shape, "Vaughan's Cardinal Forcing" carries the palm for handsomeness. In marketing this is a most important factor. Compared with Scarlet Globe, "Cardinal Forcing" runs more even in shape, is of a richer dark red color, of slightly larger size, and is ready for market three days earlier. The flesh is firm, crisp, of the finest quality and seldom pithy. These excellent qualities have given this variety a deservedly great popularity in the short time we have been offering this strain to growers. Good appearance is the biggest half of selling most articles, and when splendid quality backs up what the appearance suggests, you have a business winner sure. The crisp brittleness of this radish gives real pleasure to eating. On account of its remarkable brittleness, this radish sometimes cracks, which is not, however, a serious defect. Its short leaves require little space on the market. It excels the Scarlet Globe in popularity and market price. It is best of all for early sowing in the home garden. **Pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.25.**

CARDINAL FORCING

RADISH, OLIVE CRYSTAL

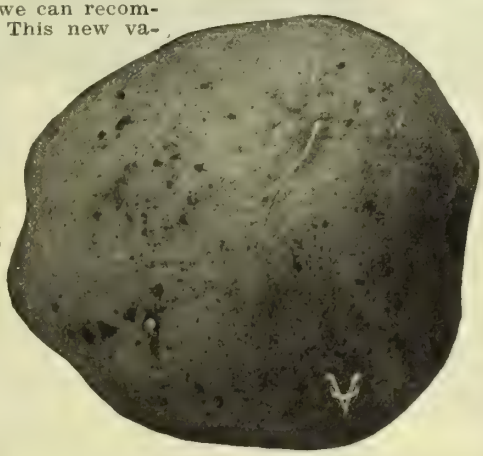
RADISH VAUGHAN'S *Olive Crystal*

Vaughan's Olive Crystal Radish is the sweetest of the **Summer Radishes.** It belongs to the early summer class known to Germans as **May Radishes.** The color is clear crystal white; the flesh is as sweet as a nut without any sharpness, yet possessing the piquant flavor which distinguishes a fine radish from the ordinary sort. In shape it is that of an olive, and the size of a walnut. To those who like the "Icicle" Radish we can recommend this variety. This new variety matures early, grows a very small top, and has a very small tap root. Our trials and reports from our customers prove that there is nothing better for the home garden in the radish line. **Pkt 10c, oz 15c, ¼ lb 35c.**

NEW POTATO VAUGHAN'S KEYSTONE

VAUGHAN'S KEYSTONE

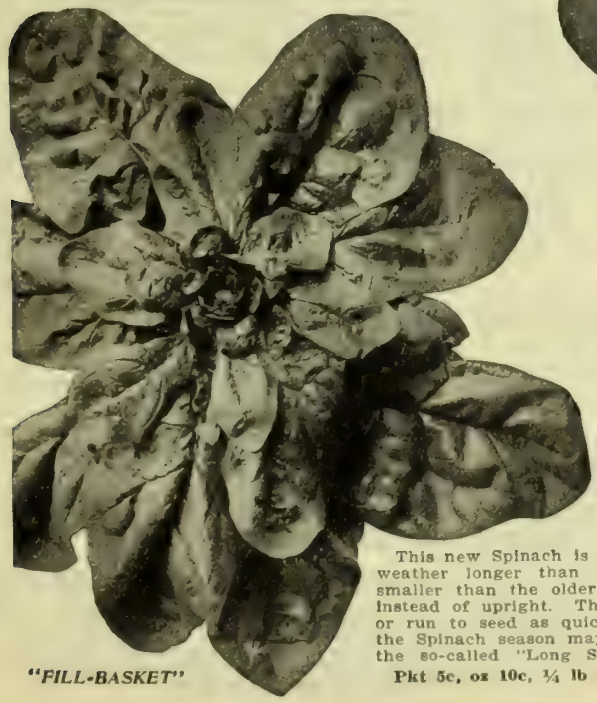
The tests that demonstrate the value of potatoes have been applied to this variety we have called the **"Keystone."** It is a pure white, main crop potato, now on its way to popularity as a standard variety. It has three important requisites for a successful potato: prolificness, quality, and handsome appearance. In different soil conditions and alongside of standard and new sorts, for a number of years, Vaughan's "Keystone" has yielded as well as any, and better than most sorts. The tubers are pure white (not the brownish white of most varieties). They are long and slightly tapering; the skin is finely netted (a sure sign of quality), and the flesh marble white, fine grained and dry. In habit of growth the vine is bushy, rather than tall, and does not spread or recline in the rows, therefore late cultivating may be practiced without injuring the plants. The strain originated as a seedling from that grand parent of notable sorts, Carmen No. 1, and possessing the excellent qualities of the parent, is establishing a reputation for itself among growers as a main crop variety to be figured on when potatoes are considered. **Price by freight or express, ½ pk 40c, pk 70c, ½ bu $1.15, bu $2.25.**



THE NEW DEARBORN

THE DEARBORN

A new potato possessing exceptional merit in quality, size, and early harvesting. These are important essentials necessary in a potato which is expected to become popular. This variety is medium early, medium sized, and the vines are good producers. In season it matures a little later than "Irish Cobbler." Its habit of growth is strong, thrifty and upright top, medium in size. The young sprouts, when they first appear above the ground, are very strong, with large dark green leaves. The plants set a medium number of tubers, all closely clustered about the stem, making it a desirable sort to harvest. The tubers are nearly round, sometimes slightly flattened. The skin is densely netted, and the flesh is white and of excellent quality. **Price by freight or express, ½ pk 50c, pk 85c, ½ bu $1.60, bu $3.00.**



"FILL-BASKET"

NEW SPINACH—Vaughan's Giant "Fill-Basket"

This novelty in "greens" has been produced through the careful culture of an expert German grower, and the "Fill-Basket," in Germany, is regarded as the best Spinach ever produced. With our customers and in our trial grounds it has given phenomenal results. The enormous plant illustrated on this page grew twenty-four inches across on rich soil; twice as large as the Victoria. The large quantity of bulky leaves may be seen in the center of the well-developed plant shown in the picture. The dark, glossy, green leaves have a strongly undulating surface and are notably thick in texture. In eating qualities the plant is very tender, well flavored and can be cut early. **Pkt 5c, oz 10c, ¼ lb 25c, lb 60c.**

Spinach—Vaughan's Triumph

This new Spinach is a very compact grower and withstands hot weather longer than any other kind. The plant is somewhat smaller than the older sorts. In habit of growth it is prostrate instead of upright. The leaves are thick, warted and do not wilt or run to seed as quickly as the standard varieties. By its use, the Spinach season may be lengthened a whole month. Similar to the so-called "Long Season" variety.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

NOTE Only after months of labor can the real value of seed be known to the buyer. Different in this respect from many other kinds of merchandise, the quality of which can be determined at once; it behooves you to buy the best and not take any risk. Vaughan's Seed Store, recognizing it as the only successful business principle, also makes it a matter of pride to sell **none but the best seeds.**

TOMATO EARLY DETROIT

JUNE PINK TOMATO

The earliest Pink Tomato. Similar in habit to the famous Earliana except in color, which is pink instead of red; the pink color being more desirable in most markets.

By careful selection this variety has been bred up so there is small loss from rough fruits, and our gardeners now find it an extremely profitable sort to grow for early market. The fruits are of fair size and good quality.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.00.

"NOVELTIES" FOR THE AMATEUR

There are many almost neglected vegetables which, if planted by the amateur gardener, would add a great deal of interest to his work and some delightful dishes to his table. It is surprising how uninformed the average suburban or city gardener is on even the comparatively better known things, such as root celery, Swiss Chard or Kohlrabi. If your gardening is a pleasure a "wooing" of nature, as it were, and not a task or "fight" with weeds and weather conditions, the addition of a new member to the garden is an event. There is no feature in gardening more fascinating than to raise something new; something not found in the regular garden; something we have never had before; something we cannot buy. The following are a few interesting vegetables, and we tell their "real names," things which are easily grown and new to many of us.

WITLOOF CHICORY

NEW TOMATO EARLY DETROIT

This is a variety maturing medium early in season, having the desirable features of bearing uniform, large, handsome, smooth fruits through a long season, yielding in the aggregate even more marketable Tomatoes than the standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe shaped, firm and ship as well as any variety we know.

Both the amateur and the market gardener will be interested in this sort. It ripens early; bears a large crop, yields a long time, its fruits are large and smooth and quality excellent.

Pkt 10c, oz 40c, 2 oz 75c, ¼ lb $1.25, lb $4.00.

TOMATO "BONNY BEST"

As uniform an early Tomato as regards smoothness and evenness in size as we have ever seen. In season it is a few days later than Earliana, while the fruits run larger, nearly everyone of which is marketable, it being almost impossible to find a rough specimen. The color is an intense scarlet and for a market garden variety may be planted where Earliana is profitable. For an early variety in the home garden there is nothing beiter.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.50.

UNCOMMON VEGETABLES

Rat Tail Radish A popular vegetable some years ago. Seed pods are edible. Eaten raw or pickled. **Pkt 5c, oz 30c.**

Chinese Cabbage—Pi-Tsai Makes a rapid growth and has a very attractive appearance. It is the best of the Chinese vegetables for American conditions. It does best where there are warm days and cool nights. Although the Chinese name is translated Cabbage-in-English, it is not of the same habit of growth as the vegetable familiar to us by that name. Pi-Tsai grows like loose lettuce. When cooked it has a splendid flavor, and gives out no offensive odor when cooking. In preparing "Pi-Tsai" for the table, it should not be cooked too long, as its tendency is to become soft. It may be used in soup or boiled whole, or prepared as a slaw or salad. **Pkt 10c, oz 20c.**

Savoy Cabbage An old and most highly esteemed variety because of its size, compactness, excellent flavor and tenderness. Amongst the many other culinary dishes in which this variety excels is a pot stew of country sausage, the latter being wrapped in the cabbage leaves; this makes a toothsome, wholesome juicy dish, and makes a very strong appeal to Teutons. For early planting "All Head," and "Marvins" for late are excellent sorts. **Pkt 5c, oz 10c.**

Cardoon Although larger in size and having smaller flowers, Cardoon otherwise resembles Globe Artichoke. The blanched leaf, stalks and the mid-rib of the leaf are edible in salads and soups. Sow early in spring one inch deep in rows two feet apart, then thin to twelve inches in the rows; when of the proper height earth up like celery, or may be blanched when stored.

Pkt 10c, oz 20c, ¼ lb 60c.

Celeriac or Root Celery Boiled and then served as a salad with French or mayonnaise dressing it is a great favorite with Germans. A soup flavoring vegetable of merit. It should be sown and grown as stalk celery, but cultivated for the roots, and may or may not be blanched. Storing for winter should be done as with other root crops. See page 28, "Giant Prague Variety." **Pkt 5c, ½ oz 15c, oz 25c.**

Witloof Chicory, or French Endive

Has become very popular in recent years. It furnishes delicious salad in the winter when other fresh vegetables are not available. It can be raised early in every home. Plant seed in March or April, dig the roots produced in November or December, and store them in sand in a cool place until ready to start them in growth in the cellar. They are somewhat like parsnips in appearance. Forcing and growing is done any time from December 15th until spring in good soil in the cellar, hot-bed or outdoors. Full directions for planting and care are with each package.

Pkt 10c, oz 25c, ¼ lb 60c.

"BONNY BEST" TOMATO

TOMATO CORELESS

A late red Tomato and the most perfect shaped variety yet produced. Requires a long season to mature and is best suited for the Southern and Central States. When bearing, the variety is immensely productive, yielding large clusters of four to seven fruits. A fine late sort for markets that like a red tomato, for the home garden and canners.

Pkt 10c, ½ oz 25c, oz 40c, ¼ lb $1.25.

Radish Sakurajima A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval, with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots.

Pkt 10c, oz 15c, ¼ lb 35c, lb $1.25.

Sorrell—(German Name Sauerkampfer)

The leaves have a pronounced acid flavor; they are cooked like spinach or used in soups. May be sown in any garden land about 10 to 12 inches apart, then thin to 3 inches in the rows. One-third Sorrel, two-thirds Spinach, makes fine combination dishes when cooked. Avoid planting to a northern exposure, which lessens the plant's vitality.

Pkt 5c, oz 15c, ¼ lb 35c, lb $1.25.

Spinach—New Zealand A summer variety of Spinach which withstands the heat without running to seed. The leaves are eaten boiled like other sorts. Soak seed one to two hours in hot water before planting. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

Scorzonera—Black Salsify Regarded with great favor because of its superior flavor; should be soaked in water a few hours before cooking to remove bitter taste. The culture and table preparation the same as for Salsify. It is more difficult to raise than White Salsify.

Pkt 5c, oz 15c, ¼ lb 45c.

Vegetable Marrow A famous and most popular English vegetable. Grows like Squash or Pumpkin, and does remarkably well in the United States. The fruits are cooked like squash or sweet potatoes and served hot, boiled, mashed or baked. When young and tender the outside skin may easily be broken with the finger nail; that is the time for use. **Pkt 10c, oz 15c, 2 oz 25c.**

Sea Kale This is a popular English vegetable combining the flavors of Asparagus and Celery. Its blanched stalks are cooked like Asparagus, or with the leaves are used for greens. It is usually raised from seed, but can be grown from off-set or root cuttings. The long tap root should have a deep, rich soil. Plant in rows from 4 to 6 feet apart. The plants usually bear the third year from seed. As soon as shoots show above the ground, blanch with earth, boards or the like. The crop is harvested much earlier than Asparagus.

Pkt 5c, oz 30c, ¼ lb $1.00.

VAUGHAN'S NOVELTIES and SPECIALTIES in FLOWER SEEDS

THE entire world is searched each year for novelties for our catalogue, and only the very best are selected. All our seed is tested on arrival, in either a blotter or soil test, and at intervals during the season we repeat this performance. Each year, at our trial grounds, at Western Springs, Ill., we try out novelties and samples of all stock for merit and trueness.

We have thoroughly revised our list of flower seeds, omitting those which did not come up to our standard, and adding to the list many of special merit.

The signs opposite have been employed in these pages to distinguish the class to which the varieties so marked belong:

⊙ ***Annuals*** These attain full growth from seed, flower and die the first year.

⊙ ***Biennials*** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

♃ ***Perennials*** These last for several years, blooming annually after the first year, though some varieties bloom the first year, if sown early.

Greenhouse Plants Start inside and cultivate in pots, or else transplant outside, when all danger is over from frost.

Stove Plants To be grown inside all the year round; for pots only.

§ ***Climbing Plants***

ARTEMISIA SACCORUM VIRIDIS—Summer Fir

ANTIRRHINUM VENUS

AQUILEGIA LONG SPURRED

ANTIRRHINUM or Snapdragon ⊙

Pkt.

4000 **Albino Mixed.** This Snapdragon shows the most peculiar combinations of soft shades in the same flowers. The plants branch regularly, the blossoms covering the stems thickly and freely 10

4001 **Dobbie's Brilliant.** A most beautiful variety; color brilliant carmine; an entirely new shade in Snapdragons 15

4002 **Dobbie's Cottage Maid.** A charming bedding variety, pale rose and white 15

4003 **Dobbie's Crimson King** 15

4004 **Dobbie's White Queen** 15

4005 **Dobbie's Yellow Queen** 15

4008 **Venus.** A lovely pink shade on white ground, set off by a pure white throat. The long stalks are thickly studded with large flowers of the finest form 25

For other varieties, see page 58. For illustrations, see front cover page.

AQUILEGIA Columbine ♃

4009 **Long Spurred Columbine.** A strain of an English fancier, who has been at work many years perfecting it. The colors are distinct shades of white, lavender, salmon, mauve, pink, yellow, etc. The size of the bloom is unusually large, the spurs long, the foliage is small and graceful, and the plants are very free flowering 25

4010 **Barr's Scarlet and Pink Shades.** These colors have not been as prominent as they deserve and we take pleasure in bringing this attractive selection of these popular perennials to the attention of our customers knowing they will be well pleased with results 25

ARTEMISIA Saccorum Viridis "Summer Fir" ⊙

Pkt.

4012 This new ornamental foliage plant introduced from China is an annual and owing to its fast growth reaches its full size in one year from sowing. As a solitary plant it looks like a nicely grown Christmas Tree. Also as a pot plant it is very pretty, and may also be successfully grown in groups and borders, similar to Kochia Tricophylla, the Summer-Cypress. The color of the finely pinnated foliage is a rich dark green. Plants cultivated in the open ground may successfully be planted into pots without any interruption of their growth. Last not least there may be mentioned that cut branches last very long and may to the greatest advantage be used for wreaths, decoration, etc. For its great availability and its most easy culture this novelty may most warmly be recommended to all amateurs 25

ASTER Giant Branching Comet ⊙ 20 in.

It is extremely free-flowering. The plant produces quite three times as many flowers as either the Comet or the Branching variety. The form of the flower is absolutely faultless, remaining full centered without any sign of yellow eye.

4013 **Pure White** 10

4014 **Light Pink** 10

4015 **Rose Pink** 10

ASTER Smith's Peerless ⊙ 2½ ft.

This strain, a selection of the Giant Branching, is without reservation the finest Aster for cut flower purposes we have ever seen. The style and substance of the flowers and formation of the plant outclassed all other Asters grown for comparative test in our Trial Grounds this season. The stems are long and wiry, the flowers of great depth and densely petaled and even a full blown flower never exhibited the yellow disk.

4016 **White** 25

4017 **Pink** 25

ASTER "Soleil d'or" (Golden Sun) ⊙ 2 ft.

4018 This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow. This variety was much admired in our Trial Ground the past season 15

ASTER—Smith's Peerless

BALSAM GOLIATH

We call particular attention to the specialties of Mr. Luther Burbank offered by us on page 13.

CENTAUREA CYANUS DOUBLE BLUE

BALSAM Goliath ⊙ 4 ft. Pkt.

Remarkable for their immense height, extreme doubleness of the blossoms and their long season of flowering. Excellent for formation of large and striking flower groups.

4019 **White**..... 20
4020 **Scarlet**..... 20

BEGONIA Gracilis Mignon ⌂ ⌂ 8 in.

4021 The plants branch so freely that they form almost globular bushes 8 to 10 inches across, which are profusely covered with brilliant blooms of a fiery scarlet red, the effect of which is considerably heightened by the prominent yellow anthers. The foliage, of a soft dark green, spotted and bordered with bronzy red, forms an effective background to the scarlet of the flowers..... 25

CELOSIA PLUMOSA, Pride of Castle Gould ⊙ 2 to 3 ft.

4022 This new introduction excels all the Ostrich Plume Celosias ever offered. The plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades..... 25

CENTAUREA Cyanus Double Blue Cornflower ⊙ 2½ ft.

4023 Same shade as the Blue Emperor. Plant is more vigorous and the flowers semi-double and have a remarkable lasting quality when cut. The plants were in bloom from early summer until frost in our Trial Grounds this last season.... 10

CENTAUREA Cyanus Double Lawson Pink

4024 A very pretty shade, semi-double flowers and the flowers make good cut flowers during their long season of bloom.... 10

CENTAUREA Imperialis Pulcherrima ⊙

4025 Long stemmed, sweet scented centaurea which is offered for the first time in seed. Whitish leaves, flowers rose pink. Blooms in July and the blossoms last a long time in water when cut..... 25

CHRYSANTHEMUM Single Early Flowering Hybrids ⊙ 1½ ft.

4026 Single Chrysanthemums have been in favor several years, but since their flowers open late in fall they had to be brought under glass with the beginning of bad weather in order to develop the flowers to their full beauty. With the introduction of the single early flowering hybrids we present a new race, which with the simplest culture will flower in July, not necessitating treatment under glass. The seeds should be planted in May, in pots or pans and the young plants as soon as they are strong enough should be set out where they are to flower..... 25

CONVOLVULUS Althaeoides Floribundus ♃ §

4027 A perennial pink Morning Glory. The leaves are whitish and the flowers produced in abundance all summer, are of a charming soft pink, bell shaped. Useful for trellis or rock work, prefers light soil. Sow this year for flowers next year. 25

DAISY Burbank's New Double Fringed ♃ 2 ft. Pkt.

4028 This new Shasta Daisy is an absolute perpetual bloomer throughout the whole year wherever it has a chance. In fact the blossoms must be cut or it would bloom itself to death. The blossoms may be cut by the armful. About one-third will come double, the remainder being extremely large single fringed flowers..... 25

DAHLIA Double Giant Flowered Decorative ⊙

4029 Is remarkable for its great vigor, the rigidity of its stems, and for the extraordinary width of its full flowers, which reach to 20 cm. in diameter, remaining still elegant and light in spite of their enormous dimensions. **15**

DELPHINIUM Belladonna Hybrids ♃ 2 to 2½ ft.

4030 Our new strain of this lovely, hardy Larkspur contains not only the sky blue of the parent type, but all shades from the palest to the darkest blue. The various intervening shades of sapphire, turquoise, indigo, etc., are rich and beautiful beyond description. The plants are dwarf in growth, and unlike the old perennial Larkspur, require no staking. They branch freely from the crown and bloom without intermission from early spring until late autumn, with increasing vigor to plants each succeeding season..... **25**

DELPHINIUM Vaughan's Premium Hybrid ♃ 2½ ft.

4030A This is unquestionably the finest mixture of Hardy Larkspurs, the most satisfactory of all Hardy Perennials, ever offered. It comprises the cream of a celebrated English Larkspur specialist. The seed we offer is gathered from a large collection of the best named varieties in all shades of light blue, sky-blue, lavender, royal purple and indigo blue. Per ¼ oz., 50c..... 15

DIANTHUS Barbatus Sweet William ♃ 2 ft.

4031 **Carmine Beauty.**—A charming and distinct color, midway between Pink Beauty and Scarlet Beauty..... 15
4032 **Diadematus.**—One of the prettiest, flowers rose, spotted and sprinkled with white..... 10
4033 **Johnson's Giant.**—The individual flower is the size of a half dollar. Besides this, the range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive..... 15
4034 **Nigrescens.**—Flowers almost black..... 10
4035 **Salmon.**—A new and very pleasing shade..... 10
4036 **Sutton's Scarlet**—A vivid scarlet color; very striking 15
4037 **Albus,** single white..... 05
4038 **Atrosanguineus,** single blood red..... 05
4039 **Roseus,** Pink Beauty, single pink..... 05

When you receive special quotations kindly refer to them by date in case you order.

DIMORPHOTHECA AURANTIACA HYBRIDA

GOURD CALABASH or PIPE

GAILLARDIA GRANDIFLORA—Coppery Red

DIANTHUS Heddewigi Marginatus, Silver Edge ⊙ 8 in.

4040 This most striking novelty forms fairly dwarf and compact growing bushes, and flowers very richly and willingly, bearing its medium-sized flowers quite regularly above the foliage, forming a pretty bouquet of fascinating appearance. The flowers are dark blood red with a purple hue, and have a uniform white edge round the whole flower, which is slightly fringed ..... Pkt 10

DIANTHUS Heddewigi Superbissimus, Single Mixed

4041 A lovely new strain of annual Pinks; flowers are very large, of various colors, with waved petals and white throat ..... ½ oz. 20 .. 10

DIMORPHOTHECA Aurantiaca Hybrida

4042 In habit, growth and foliage, as well as the height of the plant and the size of the flowers, the new hybrids are like the parent Dimorphotheca Aurantiaca. They vary in color from the purest white to red, and bluish, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose, beautiful salmon shades, from tender salmon to deep salmony orange, even varieties with different coloured zones, such as white with a broad sulphur yellow zone around the black disk or soft salmon with a deep salmony red inner circle, are frequent and thus enhance the beauty and the aspect of these new hybrids 25

ESCHOLTZIA Mikado ⊙ 1 ft.

4043 Large saucer-shaped flowers of lustrous orange crimson. The effect of a bed of these bright California Poppies with their greyish foliage is exceedingly brilliant and pleasing 10

FREESIA Hybrids ⌂ 1 ft.

4044 Freesias are lovely pot plants, usually grown from bulbs, for their elegance and the sweet fragance of their flowers. Heretofore the flowers have been white, but this new creation contains singular colors not as yet seen in Freesias, and will bloom the first year from seed ..... 30 seeds .. 25

GAILLARDIA Grandiflora—Coppery Red ♃

4045 Perennial Gaillardias are among the most beautiful garden plants, their efflorescence is prolonged from May to the end of September. The variety we offer here is one of the most remarkable of the kind by its bearing, by the elegance and largeness of its blooms and by the brilliancy of its uniform coppery red color toning down to a lighter shade near the extreme points of the petals 15

GERBERA Jamesoni Hybrids ♃ ⌂ 1½ ft. Pkt.

4046 **Transvaal Daisy.** By artificial hybridization the old scarlet Transvaal Daisy is produced in a great number of varieties, varying in color from pure white through shades of yellow, red and salmon, orange, scarlet to violet red. The large well formed Marguerite-like flowers are borne on long and strong stems and furnish an unsurpassed material for bouquets, lasting in water for two weeks 25

GLADIOLUS—Giant German Varieties ♃

It contains Gandavensis and Childsii vars as well as intermediate forms, but they all are conspicuous by the large, widely open and well shaped flowers. The spikes are extremely long and thickly studded with the flowers, which are the most perfect and effectual in every respect. The growth of this new variety is extremely strong, robust and very tall. A remarkable improvement of the old classes.

4047 **Giant White Varieties** 15

4048 **Giant Yellow Varieties** 15

Gourd Calabash or Pipe ⊙ § 20 ft.

4049 A rapid growing vine introduced from South Africa, the fruit of which is used in the manufacture of Calabash pipes, The gourd comes true to name. See illustration for instructions in making pipe 15

HELENIUM Autumnale Superbum Striatum ♃

4050 Very attractive perennial plant, useful for borders. Does well in sunny situations, and the flowers (which are of a rich mahogany color with a lighter stripe) make good cut flowers 15

MARIGOLD ⊙

4052 **Dobbie's Selected French Double Striped** 25

4053 **Dobbie's Selected African Prince of Orange,** Deep orange yellow 25

4054 **Dobbie's Selected African Lemon Queen,** Clear lemon yellow 25

MOONFLOWER—Early Blooming Sky Blue § ⊙ 15 ft.

4055 This entirely new strain is the result of a long continued painstaking selection. The gorgeous flowers, of which one hundred and fifty are often expanded simultaneously on the same plant, are from four to five inches across. The color is an exquisite sky-blue, with star-like indentations of a rose color 15

PRIMULA MALACOIDES
An Improved Forbesi (Baby) Primrose

SALPIGLOSSIS

PRINCESS PANSY

DWARF NASTURTIUM David Burpee ⊙ 1 ft. Pkt.

4056 Peculiar wavy emerald green foliage. Plants grow compact. The velvety dark scarlet flowers are carried well above the foliage..... 10

TALL NASTURTIUMS New Varieties ⊙ 4 ft. Pkt.

4057 **Emma Alida** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet laciniated flowers..... 5

4058 **Fimbriata Mixed** Fringed sorts in mixture..... 5

4059 **Laciniata Mixed** Flowers rich scarlet, deeply cut..... 5

4060 **Princess Juliana** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown..... 5

4061 **Queen Alexandra** Variegated leaves, flowers blood red, marbled and mottled..... 5

4062 **Queen Emma** Variegated leaves, deep scarlet flowers.. 5

4063 **Queen of the Morning** Variegated leaves, flowers aurora colored..... 5

4064 **Queen of Spain** Variegated foliage, flowers golden yellow, with brown spot..... 5

4065 **Queen Wilhelmina** Variegated leaves, flowers rich, rosy scarlet..... 5

4066 **Queen Type Mixed** New hybrids, with variegated foliage..... 5

4067 **1 pkt. each of the above 10 new Tall Nasturtiums for 40**

PANSIES Princess ⊙ ⊙ 8 in.

4068 The distinguishing feature of these are their strikingly erect habit. The stalks are firm and strong and withstand the inclemencies of the weather to a remarkable degree. The blossoms are produced very freely and are of the Cassier and Masterpiece types with yellow shades predominating..... 25

POPPY ⊙ 2 ft.

4069 **Black Prince** A beautiful single Poppy of brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods. If cut while in bud they last in water for a long time..... 10

4070 **King Edward** A new single Poppy, producing flowers of a deep scarlet, shaded crimson, with a large black blotch at the base of each petal..... 15

PORTULACA Parana ⊙ 6 in.

4071 A new strain of single flowering Portulaca, extremely vigorous and very large-flowered. The color, a reddish-purple is very attractive and the flowers appear in great profusion..... 15

PRIMULA Malacoides 2⅓ ⌓ 10 in. Pkt.

4072 May be called an improved Forbesi or Baby Primrose. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion; the flowers also stand well when cut, and keep quite fresh for several days in water. The plants will flower in four months from sowing, and will continue in flower from four to six months..... 50

SALPIGLOSSIS ⊙ 2½ ft.

The Salpiglossis is deservedly known as the "Orchid of Hardy Annuals." No other flower grown from seed can compare with the richness and diversity of its colors. It is the only flower which exhibits a glint of pure gold. If you are not familiar with this try one package and we know your garden will always contain it after you have seen it. Heretofore we have offered this only in mixtures, now we can supply it in the following colors:

4073 **Bright Crimson**..... 15

4074 **Faust** Black..... 15

4075 **Lilac and Gold**..... 15

4076 **Pink**..... 15

4077 **Purple Violet with Gold**..... 15

4078 **Velvety Violet**..... 15

SALVIA Splendens Perpetual ⌓ 2½ ft.

4079 This new Salvia Splendens grows compact and bushy and is noted for the intensity of the red coloring, the abundance and lasting of its blooms. Flowers from June until frost... 25

PORTULACA PARANA

VAUGHAN'S Flower Seed Novelties and Specialties for 1912

STOCKS WHITE LADY

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out these special strains in ordering and you will be repaid.

ZINNIA GIANT FLOWERED or COLOSSAL

STOCKS Large Flowering Winter White Lady ⊙ 1¼ ft. Pkt.

4080 The foliage is remarkably handsome, the flowers appear on a massive central spike and branches freely in candelabra fashion, finally assuming the shape of a pyramidal bouquet.. 25

SWEET PEAS Rose du Barri ⊙ §

4081 A new shade in Sweet Peas. Color rich carmine, rose and orange; very brilliant in sunlight and effective in artificial light..... 10

VERBENA Hybrida Gigantea ⊙ 9 in.

4082 A new giant flowered strain introduced by a famous specialist of Verbena. Red shades predominate in this mixture, the flowers of which are surprisingly large, and are marked throughout with a distinct brilliant white eye..... 25

VIOLA Cornuta Dobbie's Selected Strain ⊙ ♃

4083 Seed saved from a world famed collection of cuttings of named sorts..... 25

VIOLA Cornuta G. Wermig ⊙ ♃ Pkt.

4084 The flowers are rich violet blue. Blooms all summer in great abundance. May be used as a bedding plant and the flowers make good cut flowers..... 25

ZINNIA New Giant Double Flowered or Colossal ⊙ 3 ft.

The public will hardly recognize the old fashioned flower in this new guise. The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

4085 **White**..... 20
4086 **Golden Yellow**..... 20
4087 **Sulphur Yellow**..... 20
4088 **Flesh Color**..... 20
4089 **Crimson**..... 20
4090 **Scarlet**..... 20
4091 **Violet**..... 20
4092 **Purple**..... 20
4095 **Imported Collection,** 8 varieties as noted above..... 50

. . LUTHER BURBANK'S SPECIALTIES . .

The following descriptions are Mr. Burbank's, and the seed we offer is of his own raising. Pkt.

6000 **CALANDRINA, New Species from Chile** ⊙ Produces an abundance of large flowers of deepest glossy rosy crimson or solferino. Trailing. Easily raised; abundant bloomer. Sow in warm, sunny place..... 15

6002 **CARNATION MARGUERITE,** "Burbank's Selection" ⊙ No strain of marguerites so far available equals this in its combination of compact growth, abundance of bloom, remarkably bright distinct colors, proportion of fully double flowers and delightful fragance..... 25

6003 **"MOUNTAIN DAHLIA" (Dahlia Purpusii)** ⊙ The three-inch wide **fiery scarlet** flat flowers with wide petals are borne on extraordinarily long stems in the utmost profusion..... 25

6004 **ESCHOLTZIA, The "Burbank Crimson"** ⊙ One of the most beautiful of all. It is well fixed, coming even more exactly to type than the older strains of Escholtzia 10

6005 **ESCHOLTZIA, Burbank Reselected Giant White** ⊙ By far the best white ever offered..... 15

6006 **ESCHOLTZIA,** Mixed ⊙ White, yellow, orange, carmine, crimson and pink. Large flowers; beautiful new shades..... 15

6008 **GODETIA MAGELLANICA** ⊙ A new lavender trailing Godetia. This most graceful Godetia of a color unknown before, will be a surprise to botanists and growers alike. During the first of the season it is trailing; when commencing to bloom the plants become upright, attaining a height of two feet, otherwise the habit is like some of our most graceful North American species. The flowers are nearly two inches across and are produced in royal abundance..... 20

6009 **IPOMOEA, New Imperial Carmine** ⊙ One of the wonderful Japanese Morning Glories which, unlike most of this class, will grow anywhere and bloom abundantly all summer. Most gorgeous rosy-carmine flowers two and one-half to three inches across..... 15

6011 **LOBELIA ATROSANGUINEA,** Hybrids ♃ Great dazzling crimson flowers, pure crimson foliage. Grows only in moist soils. Extra choice strain..... 20

6012 **OENOTHERA "AMERICA", New Gigantic Evening Primrose**..... (15.

6013 **SHIRLEY POPPY "CELESTE,"** ⊙ Beautiful sky-blue, lavender and gray shades in abundance, never before offered, very choice and rare..... 15

6015 **SHIRLEY POPPY,** "The Burbank Strain" ⊙ This strain has been most carefully built up to its present acknowledged superiority by more than ten years rigid selection. The flowers are extra large, the petals beautifully crimped. Colors selected with scientific accuracy. The strain is not excelled and forms the basis of many seedmen's offerings.. 15

VAUGHAN'S GLADIOLI SPECIALTIES

FOR OTHER NOVELTIES AND SPECIALTIES OF 1912 SEE INSIDE BACK COVER PAGE

Magnificent Giant Hybrid Gladiolus

VAUGHAN'S "MASTODON"

Dr. Van Fleet, hybridizer of our famous "Princeps," is also the breeder of Mastodon, which he gave into our possession for distribution to the public three years ago. Owing to the very limited stock and its slow production from limited bulblets we offer only a limited quantity of this magnificent Gladiolus. Mastodon is, as its name implies, immense both in its flowers and the growth of stalks. The individual flowers are six inches broad with sometimes three in full bloom at a time. The stalks and leaves are very strong and heavy and grow 4½ feet—even taller than Mrs. Francis King. No Gladiolus of the well known flowering kinds come within ten inches of its height. It shows its Princeps parentage in the same brilliant scarlet color, set off with pure milk-white streaks, which, starting in the throat, fade out in the middle of the lower petals. It grows so large that it does not bloom early like the forcing kinds. The cut spikes make a splendid showing in large vases, while the mammoth stalks in flower beds or among border plants are very striking. We control the entire stock. Scores of growers have desired to secure this giant for hybridizing. **Price (stock very limited), each, prepaid, $1.00.**

CHAS. L. HUTCHINSON

One of the "Princeps" hybrid seedlings supplied us by Dr. Van Fleet. In splendid growth of plant and size of flowers it equals its parent. The color of the flowers is a rich blood red, the middle rib of each petal being a shade deeper and the color is intensified by the warm, velvety luster. The foliage is healthy and of a bluish green, contrasting beautifully with the deep color of the flowers. Free flowering and lasting. Mr. Chas. L. Hutchinson, president of the Chicago Horticultural Society, and Chicago's foremost public spirited citizen, has kindly permitted us to give his name to this beautiful new variety, which, since its introduction last year, has come rapidly into public favor.

Price—Fine large bulbs prepaid, each 75c, per doz $7.50.

GOLDEN QUEEN

New, bright cream color, with a clean cut diamond-shaped blotch of carmine. Holds its strong color better than most yellows after maturing. The flower is wide open and of good quality. **Each 15c, doz $1.50.**

VELVET KING

Fine dark scarlet similar to old variety Brenchleyensis. Veined on two lower petals with a darker color. Vigorous grower. Flower is of good velvety substance and nearly as large as Mrs. Francis King.

Each 15c, 3 for 40c, doz $1.50, 100 for $10.00.

VAUGHAN'S TWELVE NOVELTY GLADIOLI

Baron J. Hulot. Dark velvety purple flower of the Lemoine type, tall and slender, flowers thickly set on spike. Best blue we have seen. **Each 15c, 3 for 40c, doz $1.50.**

Brahma. Large well-opened flower of a fine carmine red slightly glazed with ashy-gray, a large pure white blotch on the two lower petals. **Each 30c, 3 for 80c, doz $3.00.**

Chicago Red. Rich blood red, yellow streak in center three lower petals. **Each 25c, 3 for 65c, doz $2.50.**

Elizabeth Kurz. A pure white variety with a faint touch of red deep down in throat. Strong grower, straight stem.

Each 50c, 3 for $1.35, doz $5.00.

Mephisto. Large spike, early flowering. The center of the flower is a coppery scarlet, fading out towards the tips of the petals into dark carmine. The whole flower is tiger-spotted with fine dots of reddish brown; 5 to 6 blooms are open at a time.

Each 35c, 3 for 95c, doz $3.50.

Proserpine. Large well expanded cherry-red flowers, big white blotches on lower petals, anthers lavender.

Each 30c, 3 for 80c, doz $3.00.

Klondyke. Light yellow, with crimson maroon blotch. A very desirable variety for cut flowers. **Each 15c, doz $1.50.**

Wild Rose. A splendid type of the strong growing Childsii; color bright delicate rose. A splendid cut bloom; good forcer, flowering early under glass.

Each 25c, 3 for 65c, doz $2.50

Radium. A white variety veined with very soft pink, lower petals shaded with yellow at the base; A strong grower. **Each 20c, 3 for 55c, doz $2.00.**

Scribe. A grand Childsii; beautiful large well opened flower, tinted white, carmine stripes.

Each 15c, 3 for 40c, doz $1.35.

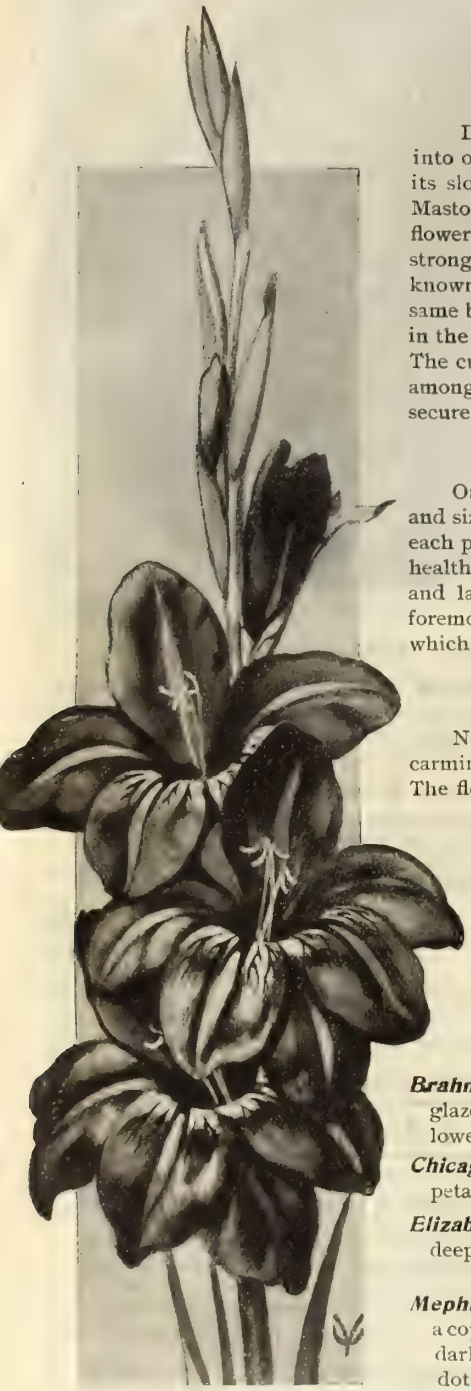
Silvretta. Creamy white with carmine blotches on lower petals, spike strong and tall. Blooms later than most sorts.

Each 10c, 3 for 25c, doz $1.00, 100 for $7.00.

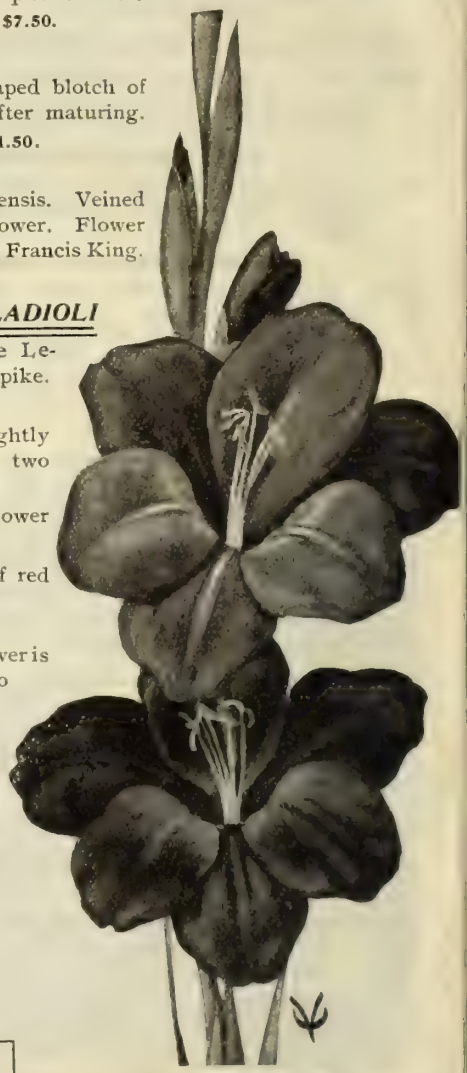
Sulphur King. It produces a very long spike of the clearest sulphur yellow flowers yet seen in any Gladiolus.

Each 20c, 3 for 55c, doz $2.00.

SPECIAL OFFER BG—One each of the above
TWELVE NOVELTY VARIETIES
Prepaid $2.40.



VAUGHAN'S MASTODON
(Less than half natural size)



CHAS. L. HUTCHINSON
(One-half natural size)

Sweet Peas Spencer Varieties or Giant Orchid Flowering

In comparatively the last few years sweet peas have taken a new place in our affections, when the frilled or Countess Spencer varieties appeared, and now they may be obtained in so many distinct and almost true colors as to have deposed to a certain extent the older Large Flowering and Unwint ypes. They have large round open flowers of extraordinary size, usually two inches across, with waved, fluted and crumpled standard and wings. A very large percentage bears four of these immense flowers to a stem, which is extremely long and wiry, making them exceptionally valuable for cutflowers.

TYPE OF SPENCER SWEET PEAS

12 BEST SWEET PEAS

The following is our selection of the twelve best Spencer varieties, and we offer one (regular size) pkt. of each for **50c.** postpaid. These are enclosed in an attractive bag with distinctive printing. If purchased separately they would cost $1.20.

White. White Spencer.
Crimson. King Edward Spencer.
Maroon. Othello Spencer.
Blush. Florence Morse Spencer.
Pink. Countess Spencer.
Lavender. Asta Ohn.
Apricot. Mrs. Routzahn.
Orange. Helen Lewis.
Rosy Carmine. George Herbert.
Primrose. Primrose Spencer.
Orange Rose. Aurora.
Rose Carmine. Marie Corelli.

For those to whom this selection does not appeal we make the following offer:

For 25c we will mail six 10-cent pkts. (regular size) of any of the below beautiful Spencer Sweet Peas, together with leaflet on culture.

For 50c we will mail twelve 10-cent pkts. (regular size) of any of below Spencer Sweet Peas, together with leaflet on culture.

		Pkt.	Oz.	¼ lb	Lb.
5001	***Apple Blossom.*** Rose and blush	$0 10	$0 20	$0 60	$2 25
5003	***Asta Ohn.*** Lavender tinted	10	20	70	2 60
5005	***Aurora.*** Orange rose, striped on white	10	20	60	
5007	***Blanche Ferry.*** Pink and white	10	25	75	2 80
5009	***Captain of the Blues.*** Standard purple, wings blue	10	20	65	
5011	***Countess of Spencer.*** Very pale pink, darker edge	10	20	65	2 50
5013	***Dainty.*** White, with pink picotee edge	10	25		
5015	***Duplex*** (Burpee's), Pink. The best for bouquets; color rich cream pink; nearly all the plants have double or triple standards ... 30 seeds	25			
5017	***Ethel Roosevelt.*** Rose pink, primrose ground	15	35		
5019	***Evelyn Hemus.*** Buff ground with rosy picotee edge	10			
5021	***Flora Norton.*** Bright blue with slight tint of purple	10	25		
5023	***Florence Morse.*** Delicate blush, with pink margin	$0 10	$0 20	$0 60	$2 25
5025	***Florence Nightingale.*** Lavender	15	50		
5026	***George Herbert.*** Standard rosy magenta, wings deep carmine	10	20	65	
5028	***Helen Lewis.*** Standard orange, wings rosy salmon	10	20	60	
5030	***King Edward VII.*** Rich red	10	20	60	2 25
5032	***Marie Corelli.*** Rose carmine, tinted cherry red	10	30	1 00	
5034	***Mrs. Hugh Dickson,*** Pale salmon pink on cream ground	10	30	1 00	
5036	***Mrs. Routzahn,*** Apricot, suffused with pink	10	20	70	2 60
5038	***Othello.*** Rich deep maroon	10	30	1 00	
5040	***Pearl Gray*** (Burpee's) Pearl or dove gray, suffused with light rose, showing more of the delicate rose shading in standard ... 25 seeds	25			
5042	***Primrose.*** Primrose	10	20	60	2 25
5043	***Senator.*** Claret and chocolate stripe on light heliotrope ground	10	20	65	2 40
5045	***Tennant.*** Purplish mauve	10	20	65	2 40
5047	***Vermilion Brilliant*** (Burpee's) Most brilliant iridescent scarlet ... 25 seeds	25			
5050	***White.*** Pure white	10	35	1 25	
5052	***W. T. Hutchins.*** Apricot and lemon, overlaid blush	10	30	1 00	

5055 ***Vaughan's Spencer Hybrids Mixed*** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class. Pkt. **10c,** oz. **20c,** ¼ lb. **60c,** lb. **$2.00.**

PLANTING SUGGESTIONS FOR A CITY LOT

BEAUTIFY YOUR HOME

It is now a recognized fact that a dwelling to be a real home must be attractive outside as well as in. It is a part of our business to help people secure that "homey" attractiveness gained by the proper planting about the house and supplying the proper selection of trees, shrubs and perennial flowers, for many an otherwise attractive house falls short of its full possibilities of beauty and comfort, simply because those trees, shrubs and plants used about the grounds were not arranged so as to display the buildings to the best advantage. This is particularly true of the city residence which lacks the natural beauty of the country and is handicapped by buildings of various sorts thrust up against it.

We want to help bring to that kind of a city home the charm of a country place by hiding those eye-sores with suitable vines and trees and by introducing those hardy flowering plants so beautiful in their flowering season, and so common to old country gardens. We know what is best adapted to special conditions so let us advise you, for far too often planting is spasmodic and thought is not applied as to the after appearance so that the result is at least not beautiful.

In order to illustrate what may be done, Mr. Prost, the City Forester of Chicago, prepared the accompanying sketch which will show the charm of a properly planted city lot, just the right selection being made to give the most pleasing effect during a long season, flowers during the summer, and foliage and bark effects during the winter. Notice how we have obscured the unsightly alley, and enchanced the appearance of the back yard by this planting which leaves so much of the lawn open.

Everything used is perfectly hardy as far north as St. Paul almost without protection and we cannot urge this kind of a planting too strongly. Annuals may be added to suit.

The cost of such a plan is well within the reach of the average man—160 shrubs, 197 perennials and 2 vines as listed below for the sum of $60.00, trees and tulips not included.

You can, at a moderate cost, derive much pleasure and profitable experience by doing the planting yourself. The instructions for planting are simple and fully explained in the little pamphlet we will furnish free with such an order. Get your order in at once.

PLANTING LIST

Shrubs

A	18 Privet Ibota, 2–3 ft.
B	13 Rosa Rugosa, red; 2 yr.
C	25 Spiraea Van Houttei (Bridal Wreath); 3 ft.
D	18 Philadelphus Grandiflorus (Mock Orange); 3 ft.
E	8 Persian Lilac, 2–3 ft.
F	3 Rose of Sharon (Althea), 3–4 ft.
G	8 Eleagnus Angustifolia (Russian Olive), 4–5 ft.
H	6 Indian Currant (Symphoricarpus Vulgaris), 2–3 ft.
I	7 High Bush Cranberry, 2–3 ft.
J	7 Ribes Aureum (Missouri Currant), 3–4 ft.
K	5 Forsythia Intermedia (Golden Bell), 2–3 ft.
L	14 Rhus Glabra (Smooth Sumach), 3–4 ft.
M	14 Cornus Siberica (Red-branched Dogwood), 3–4 ft.
N	8 Elder Cut-leaved, 3–4 ft.
O	6 Berberis Thunbergii (Japanese Barberry), 2 ft.

Hardy Perennials

No.		No.	
1	12 Golden Glow.	13	10 Coreopsis.
2	20 Pyrethrum Uliginosum.	18	14 Lily of the Valley, clumps.
3	5 Boltonia Asteroides.	22	14 Hardy Aster.
6	5 Peonies, dble., assorted colors.	23	10 Helianthus.
7	12 Phlox, assorted.	24	15 Shasta Daisy.
8	36 German Iris, assorted.	25	12 Campanula
10	10 Oriental Poppy, assorted.	26 *	20 Tulips, later Salvia.
12	12 Hollyhock, double and single.	29	10 Anemone Japonica.

*Not included in estimate, should be set in Fall.

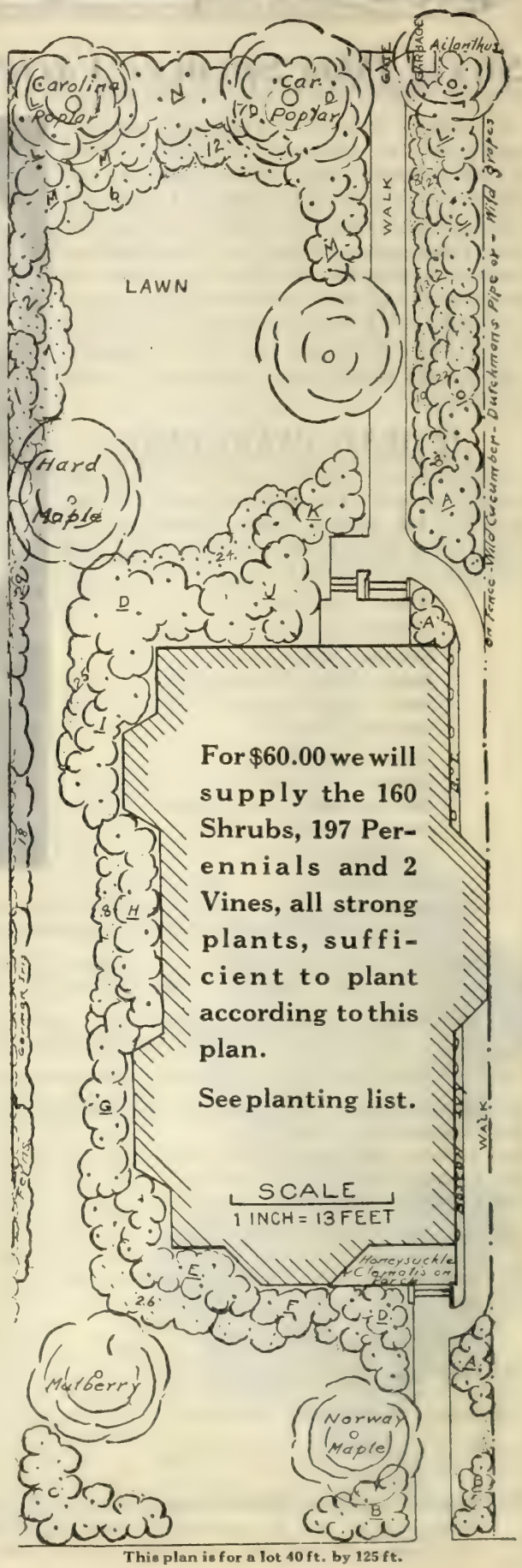
Vines

1 Honeysuckle Halleana, 2 yr. 1 Clematis Paniculata.

A GRAND NEW DECORATIVE CLIMBER.

The Giant Yam, or Air Potato, is a wonderful new climber of the Dioscorea family, of rapid growth and with beautiful glossy green foliage. Grows 60 to 80 feet in a season. Leaves are large and heart-shaped. Flowers are in racemes, white and not showy. Potato like tubers are borne profusely along the stem at the nodes. Unique for veranda decoration. Dig and store over winter like Dahlias. Don't miss this!

Each 15c, 3 for 40c, doz. $1.50, postpaid.



This plan is for a lot 40 ft. by 125 ft.

The Home Vegetable Garden

THE cultivation of a home garden, no matter how small, is of profit in both an economical sense and as a matter of healthfulness and pleasure. In these days when one hears at every turn and meets on every hand the evidences of high living cost, it is opportune to turn attention to items on which it is possible to cut expense. Plant a garden. Why pay the "Green Grocer" big prices (generally three or four profits—producer, transportation company, commission man, and finally the retailer) for table necessities such as Beans, Radishes, Spinach, Potatoes, Lettuce, etc., when at the cost of a few cents for seed, the expenditure of a little time otherwise wasted, you can produce these things yourself? Beginners should consult our booklet, "Vaughan's Vegetable Garden," given free with seed orders. Questions calling for expert advice should be submitted by mail and will be answered promptly.

Order Early.—We then have full stocks. We can give you or your order much better attention than in the rush season.

Important! About Prices! The hot, dry weather throughout the world's seed growing districts has shortened the supply on many vegetables; some crops, as Beets, Carrots, Peas, Parsnips, and a few others, are so short that prices have advanced tremendously. On some lines there is a normal crop and a reduction in values. Our prices are fair, much lower than conditions warrant.

The prices given in this catalogue include free delivery on packets, ounces, ¼ pounds and pounds (except where otherwise stated). Large quantity prices, as pints, quarts, pecks and bushels, do not include delivery charges. By **"Freight or Express"** always means that transportation charges are paid by the customer.

NEW WONDER BUSH LIMA BEAN

ASPARAGUS SEED AND ROOTS

ASPARAGUS SEED

Sow thickly in early spring. Transplant in one or two years, 9 to 12 inches, in rows 3½ feet apart. Asparagus can be cut in 3 to 4 years.

Early Giant Argenteuil The famous Parisian Asparagus. Grows to large size; is vigorous and fairly free from rust. The flavor is superb. Our seed is from one of the largest Asparagus plantations near Paris. **Pkt 10c, oz 15c, ¼ lb 30c, lb 90c.**

Bonvallet's Giant (See page 3, Novelties.) The best variety for home and market yet introduced. **Pkt 10c, 1 oz 15c, 2 oz 25c, ¼ lb 35c, lb $1.35.**

Palmetto The standard light green grass. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

Columbian Mammoth White Large semi-white shoots without earthing up. **Pkt 5c, oz 10c, ¼ lb 20c, lb 65c.**

Barr's Mammoth Similar to Palmetto. Does better in some soils. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

Conover's Colossal. A large fast-growing variety **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

Artichoke—See below.

ASPARAGUS ROOTS

One year roots are ready to cut two years from planting; two and three year roots, the year following setting out.

PRICES.	Doz.	100	1000
Conover's Colossal, 1-year-old roots	$0.10	$0.50	$4.00
Palmetto, 1-year-old roots	.10	.50	4.00
Columbian Mammoth White, 1-year-old roots	.10	.50	4.00
Bonvallet's Giant, 2-year-old roots	.25	1.50	10.00
Conover's Colossal, 2-year-old roots	.15	.75	5.00
Palmetto, 2-year-old roots	.15	.75	5.00
Columbian Mammoth White, 2-year-old roots	.15	.75	5.00
Argenteuil, 2-year-old roots	.25	.95	8.00
3-year-old roots, transplanted plants for forcing.			
Bonvallet's Giant	.50	2.75	22.00
Conover's Colossal	.30	1.50	12.00
Palmetto	.30	1.50	12.00
Columbian Mammoth White	.30	1.50	12.00

If to go by mail add for postage as follows: 1-year-old roots, 5c per doz., 35c per 100; 2-year-old roots, 8c per doz., 50c per 100; 3-year-old roots may be shipped by express only.

BUSH LIMA BEANS

New Wonder The highest expert authorities on Garden Beans have decided this to be the best of all the large-seeded Bush Limas for general purposes. The plants are large, compact, medium season, long-bearing and very prolific. The shell pods are green, of smooth surface, slightly curved, uniform and large, usually containing three seeds. This originated from one of the first types of Bush Limas, but is earlier and more compact in habit, and with less tendency to make runners.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.30, pk $2.25, bu $8.00.

Bush Lima (Henderson's) Earliest of all true Limas, a reliable cropper, very productive, free from mildew, and of compact form.

Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c); by express—½ pk 90c, pk $1.75, bu $6.50.

Bush Lima (Burpee's) A true bush form of the large White Lima, a circular bush 15 to 20 inches high, with a diameter 2 to 2½ ft., self-supported by its own thick stems. Unsurpassed in productiveness and quality of its large, handsome pods. **Pk 10c, pt 15c (by mail 23c), qt 30c (by mail 45c); by express—½ pk $1.00, pk $1.85, bu $7.00.**

Bush Lima (Dreer's) A dwarf variety of Dreer's Improved Lima; very prolific, single plants often producing from 150 to 200 pods, each pod holding 3, 4 or 5 beans of excellent flavor Does well even in dry seasons. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 50c); by express—½ pk $1.20, pk $2.00, bu $7.50.**

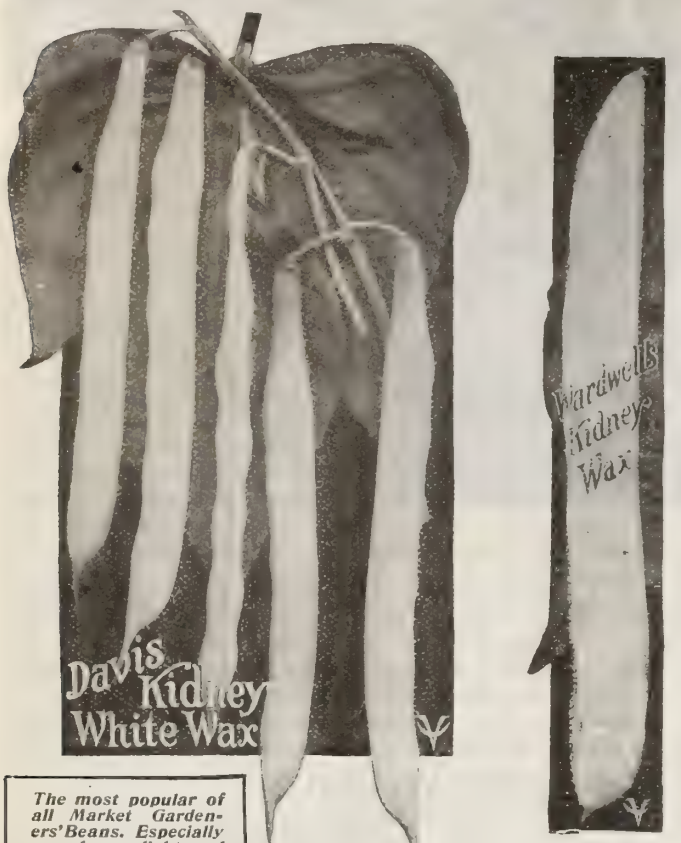
ARTICHOKE, Green Globe A perennial, whose large flowering heads are cooked and eaten like Asparagus. Matures the second year. Not hardy in the North.

Pkt 10c, oz 30c.

Artichoke, Jerusalem See page 144.

Wax or Yellow Podded BEANS

Bush or Snap Varieties



The most popular of all Market Gardeners' Beans. Especially good on light and sandy soil.

WARDWELL'S

DAVIS KIDNEY WHITE WAX

Of all early Wax Beans, this is the handsomest variety. The vines are vigorous and extremely prolific, improvements we have made to resist rust in this strain have been marked by success; only seed from unaffected vines being chosen. The pods, seven inches long, are straight, very uniform and clear, waxy white. The dry beans are kidney shaped, clear white; an excellent baking bean. They have a tendency to become tough and stringy as they get advanced, and should therefore be picked young, in the home garden, for Snap Beans. As a market garden Wax Bean they are the best.

Pkt 20c, pt 20c (by mail 28c), qt 30c (by mail 45c), express peck $1.60, bushel $6.00.

WARDWELL'S KIDNEY WAX

A variety possessing exceptional merit; the color, a beautiful yellow, lends attractiveness to the straight, finely shaped pods which are six to seven inches long. The pods are flat, brittle and entirely stringless, although inclined to rust in some localities, gives exceptional results in prairie soils of the west. Uniformity of size and good yield are characteristics of this variety, an excellent sort for both home and market gardeners.

Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c), express pk $1.60, bu $6.00.

ROUND POD KIDNEY WAX

This might be called the best round pod wax bean. It is early in season, the pods are long, entirely stringless, and of the highest quality. The vines are vigorous and produce a very heavy yield. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), by express pk $1.85, bu $7.00.**

CURRIES RUST PROOF GOLDEN WAX

Has qualities that have made this variety much of a favorite; being hardy, early and nearly rustproof, it has gained favor and is much used. The pods are long, crisp, tender, and of golden yellow color; the seeds are black. **Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c), express pk $1.50, bu $5.50.**

IMPROVED GOLDEN WAX

A variety that gives a good account of itself in heavy crops; medium early and of vigorous bushing growth, a good rust resister. Sown in any season to early fall, a reliable crop is assured. The pods are golden yellow, thick and solid, and have a peculiar, fine flavor, not found in other beans. A profitable sort for either market or home garden.

Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), express pk $1.60, bu $6.00.

BLACK PENCIL POD

A great producer, this is a round pod wax bean, of bushy growth fifteen inches high. The pods are six to seven inches long, round, straight, thick and stringless. The color is yellow, fine flavor, high quality. The seed is black—a splendid sort for kitchen or market gardeners. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), express pk $1.60, bu $6.00.**

HODSON WAX

This is the most remarkable Wax Bean, being the largest yielder of all garden varieties, medium early in season. The vines are one mass of long straight pods, which resemble the Davis Wax somewhat in shape and quality.

Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c), by express pk $1.50, bu $5.75.

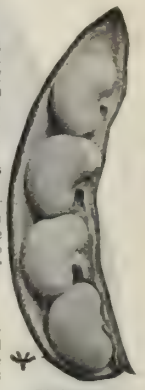
OTHER KINDS

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed.

The prices below, except for packets, do not include postage. If to go by mail, add 8c per pint or 15c per quart.

	Pkt	Pt	Qt	Pk
Challenge Black Wax. Extremely early; pods tender and stringless, seeds black	$0.10	$0.20	$0.30	$1.60
Stringless Refugee Wax. Heavily productive; pods long, stringless and brittle	.10	.15	.30	1.50
Prolific Black Wax. Very early; prolific, long pod	.10	.15	.30	1.50
Valentine Wax. Second early, prolific; pods waxy yellow	.10	.15	.30	1.50
Golden Eye Wax. Height 1½ feet; early. Pods large and flat	.10	.15	.25	1.40
Flageolet Wax. Resists rust; pods large, flat and yellow	.10	.15	.30	1.50
Yosemite Wax. Exhibition quality variety. Pods thick, 10 to 12 inches long, golden yellow	.10	.20	.40	2.25
Horticultural Wax. New. A very desirable early Bean for market	.10	.20	.30	1.50
Hodson Wax. Fine long pods. Late; heavy yielding	.10	.20	.30	1.50
Monster Stringless. (See Novelties.) Stringless. Largest pod of the bush varieties	.15	.20	.40	2.50

LIMA BEANS—POLE OR CLIMBING



Siebert's Early Lima

EARLY LEVIATHAN The most satisfactory of all early varieties. In the Northern States, where an early variety is needed because of frosts, this sort is excellent. It is as early as any, the pods are of a great size, in this respect equal to main crop varieties. The pods, which grow in clusters of five to eight are well filled with excellent flavored seeds. This is a gem for those who have grown Siebert's and Early Jersey.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 65c, ½ pk $1.10, pk $2.00, bu $7.50.

SIEBERT'S EARLY LIMA An exceptional variety for Northern Climate. It is hardy, early, and an enormous producer. The pods are medium long, dark green, and well filled with three to four large fleshy, tender, fine flavored beans. A popular Early Lima.

Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); express, pk $1.75, bu $6.50.

KING OF THE GARDEN LIMA A climber greatly favored; it blooms and produces to the end of the season. Uniform pods five to eight inches long, filled with perfectly formed beans of superior quality.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); express, pk $1.85, bu $7.00.

IDEAL POLE LIMA Fine variety. A selection from the "White Lima." Pods very large, some eight inches long; the beans are fat, tender and good quality. With the exception of our New Carpinteria, we regard it as the best for market use in the Central States, where a main crop can mature. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), express, 2 qts 65c, ½ pk $1.15, pk $2.25, bu $8.00.**

FORD'S MAMMOTH POLE LIMA Exceptionally large and productive kind. The pods develop to an average length of eight inches and grow in rich clusters. From five to seven beans of excellent quality, green or dry, are contained in a pod. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); express, pk $1.85, bu $7.00.**

CHALLENGER OR DREER'S IMPROVED Thick pods of good size and flavor, early. **Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c); express, pk $1.75, bu $6.50.**

LARGE LIMA A very popular variety. The beans are large and attractive. **Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c); express, pk $1.75, bu $6.50.**

EXTRA EARLY JERSEY LIMA An old standard variety. Early; small pods. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); express, pk $1.75, bu $6.50.**

Pages 2 and 3 for New Beans

BUSH OR SNAP BEANS

Green Pod Varieties

New Stringless Green Pod see Page 2

VARIETIES There are two kinds of Green Bush Beans, Flat and Round Pods. For the Home Garden—Earliest Valentine, first early; Stringless Green Pod, Longfellow, Full Measure (New), in the round sorts are the most popular, and Bountiful Stringless, in the flat varieties. Market gardeners plant mainly Valentine, Longfellow, Black Valentine and the Refugee. We are specialists on beans. See page 3. Our descriptions are as nearly correct as we can make them and we will not misrepresent for the sake of increasing business

STRINGLESS GREEN POD—*Unsurpassed for any Purpose.*

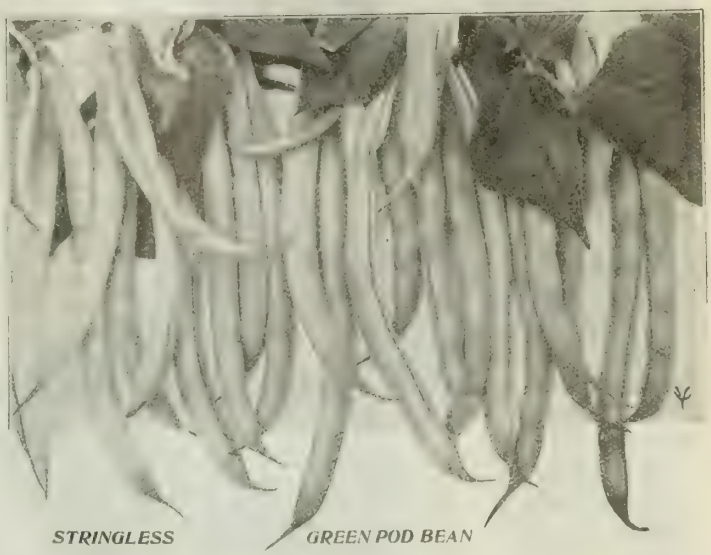
VAUGHAN'S SPECIAL

Through many seasons Stringless Green Pod still remains an unexcelled standard for general use. The pods are round, of good length and straight, deep rich green color, entirely without strings or fiber. They are early, of prolific growth, thick, meaty and of the very finest quality—a great favorite. For kitchen garden, planting should be continued every two weeks until September. This insures your supply all the season. **Pkt 10c, pt 20c, (by mail 28c), qt 35c (by mail 50c), ½ peck 90c, peck $1.60, bu $6.00.**

LONGFELLOW—*Round Pod.*

VAUGHAN'S SPECIAL

Is one of the best varieties for the home garden. The pods are of fine quality, nearly stringless and exceedingly handsome. In production, very prolific; exhibits a profusion of highly beautiful, soft green pods seven to eight inches long, straight and round. When cooked the flavor is exquisitely delicious. The plant grows 14 to 16 inches high (early 6 weeks) and ripens uniformly. Market gardeners give preference to this over other varieties—it pays. **Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), ½ peck 80c, peck $1.50, bu $5.50.**



STRINGLESS GREEN POD BEAN

BOUNTIFUL STRINGLESS—*Flat Pod.*

An improved "Long Yellow Six Weeks," but earlier, hardier, and produces many more, better and larger pods. The pods are tender and of very fine quality; the yield is bountiful and exceedingly handsome. Splendidly suited for exhibitions. Equally valuable for the gardener and home garden. **Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), ½ pk 85c, peck $1.50, bu $5.50.**

IMPROVED EARLIEST VALENTINE

Valentine is a very early variety and in consequence has attained considerable popularity. The pods are round and fleshy and grow on bushes about fifteen inches high. The yield is good and quality fair when eaten young. The seed is speckled red and very hardy, germinating in cold soils where other varieties rot. The general desire for an early bean has given deserved popularity to this sort. **Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c), pk $1.40, bu $5.25.**

BLACK VALENTINE

"The Improved Valentine," so well known, has now a competitor possessing **great improvements** over the old variety.

VAUGHAN'S SPECIAL

Black Valentine, though not quite so early, has the advantage of being suitable for both early and late planting. It will withstand early and late frosts that kill other varieties. It is extremely hardy; it yields enormously and the pods are one-third longer than the "Red"; they are perfectly round and straight. Owing to its many excellent qualities and large and handsome appearance it is a splendid sort for the market gardener. **Pkt 10c, pt 20c (mail 28c), qt 35c (mail 50c), peck $1.60, bu $6.00.**

REFUGEE OR 1000 TO 1

Similar to the Valentine, pods one-third larger, tapering to a slender point. Pods are perfectly round and straight. Very hardy, good for both early and late planting and an immense producer. **Pkt 10c, pt 15c (mail 23c), qt 25c (mail 40c), peck $1.40, bu $5.00.**

Mammoth Stringless Green Pod

A Giant type of "Improved Earliest Valentine"; not quite so early, but possessing the good qualities of the original Stringless. Very showy and excellent to plant with the Stringless for succession. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c), ½ pk 85c, peck $1.60, bu $5.50.**

BOUNTIFUL STRINGLESS

SIX FINE FOREIGN BEANS

GIANT SCARLET RUNNER. Very fine flowers and long pods. **Price, pkt 10c, 3 for 25c.**

TWO COLORED FIRE BEAN. A scarlet runner with very pretty pink and white flowers. **Pkt 10c, 3 for 25c.**

JULY POLE. (Eight weeks.) Very productive pods, thick and tender. Grows only six feet. Fine for house gardens. **Pkt 15c, 2 for 25c.**

FRENCH ASPARAGUS BEAN, "YARD LONG." Of good flavor. Pods immense, two to four feet long. **Pkt 15c.**

WAX POLE BEAN, "FILL BASKET." New, very early, productive. Pods nine inches, very meaty and without strings. White seed. **Pkt 10c, 3 for 25c.**

GREEN POD POLE BEAN, PRESIDENT ROOSEVELT. A German novelty. Absolutely stringless. Pods up to 10 inches long, thick and meaty. A most promising variety. **Pkt 10c, 3 for 25c.**

OTHER LEADING SORTS

Any of the following, per pkt, 10c.

The prices, except for packets, do NOT include postage; if by mail, add 8c to the pint and 15c to the quart prices.

	Pt.	Qt.	Pk.	Bu.
EXTRA EARLY REFUGEE. Similar to the Refugee; two weeks earlier	$0.15	$0.25	$1.40	$5.00
BROAD WINDSOR. An English Dwarf Bean, eaten shelled; best of class	.15	.30	1.60	6.00
DWARF HORTICULTURAL. Late, heavy yielding. Flat yellow pods spotted with red	.15	.30	1.60	6.00
EARLY MOHAWK. Productive, long, flat pods. Early, rather stringy	.15	.25	1.25	4.50
EARLY ROUND POD. Six weeks Early sort for market. Good yielder	.15	.25	1.25	4.50
EARLY YELLOW. Six weeks. Similar to round sort, with flat pods	.15	.25	1.25	4.50
IMPROVED NAVY. Fine field sort	.15	.25	1.00	3.50
WHITE KIDNEY. For shell beans; **RED KIDNEY.** For same use as White	.15	.25	1.25	4.50
TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt 15c, ½ pt 20c, pt 40c, qt 75c.				
WHITE MARROW. Good shell bean	.15	.25	1.25	4.50

POLE BEANS

The name "Pole Beans" signifies that the vines upon which these beans grow require "Poles" to support them. They are later and more productive than "Bush" beans. For "Pole Limas" see preceding page.

If ordered by mail add 8c per pint, 15c per quart.

Early Golden Cluster Wax Long golden stringless; fine quality pods, borne in clusters; large pure white seeds. **Pkt 10c, pt 20c, qt 35c, pk $2.50, bu $9.00.**

Kentucky Wonder, or Old Homestead (See illustration.) Long flat green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. **Pkt 10c, pt 15c, qt 30c, peck $1.50, bu $6.00.**

Burger's Stringless Green Pod This early green pod bean is a splendid sort, of fine quality and entirely stringless; long bearing vines, beans small and white; good for baking. **Pkt 10c, pt 20c, qt 35c, peck $2.25.**

Scarlet Runner A good snap bean as well as very ornamental, having bright red flowers. **Pkt 10c, pt 20c, qt 40c, peck $2.25.**

Lazy Wife Thick, stringless long pods borne in quantity. Also an excellent shell bean. **Pkt 10c, pt 20c, qt 35c, peck $2.00, bu $7.50.**

Creaseback Early pods, long round, green, tender and stringless. White beans. **Pkt 10c, pt 15c, qt 30c, peck $1.60, bu $6.00.**

Dutch Caseknife Early, long green, flat pods. White seed. **Pkt 10c, pt 15c, qt 30c, peck $1.60, bu $6.00.**

Horticultural Cranberry Early, good for snap or shell beans, for a cool climate. **Pkt 10c, pt 15c, qt 30c, peck $1.60, bu $6.00.**

KENTUCKY WONDER POLE

BEET

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

CROSBY'S EGYPTIAN

NEW BEET VAUGHAN'S "FIRE-BALL"

(See cut and description on page 4.)

Slender leaves; flesh brilliant red; shape globe. Season early as Crosby's Egyptian.

Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 60c, lb $2.25.

CROSBY'S EGYPTIAN—The Best of the Early Beets

Originally selected from Early Flat Egyptian. Has been bred slightly thicker than the old stock, which gives it a more desirable shape, while it still retains extreme earliness. It is a deep red color, almost black; flesh sweet, smooth, tender, and of excellent quality. Earlier than any other, it makes excellent small beets for early market, of presentable size and shape. Tops are not too small, but just right for early bunching. This is a variety requiring the most expert care in growing in order to retain in equal proportion, earliness, shape and color. Our strain is kept at top notch by the most careful and experienced seed growers we have been able to find.

Crosby's Egyptian, Vaughan's Selected Stock, Pkt 10c, oz 20c, 2 ozs 30c, ¼ lb 60c, lb $2.00; by express 5 lbs $8.50.

Crosby's Egyptian, Choice Stock, Pkt 5c, oz 15c, ¼ lb 50c, lb $1.70.

CRIMSON GLOBE—Second Early and Main Crop

An extremely handsome, main crop variety, of medium size, almost globe shaped, and entirely free from rootlets, leaving it perfectly smooth. The roots average ten inches in circumference. The foliage is small and of a rich bronze purple. The flesh is a rich blood red, slightly zoned and of the finest quality, always sweet and tender, never stringy. For market use as a main crop variety it is very heavily planted and a favorite everywhere. For home use it is of equal quality as the Detroit, slightly earlier, but not so dark in color. **Pkt 5c, oz 15, ¼ lb 50c, lb $1.70, postpaid; 5 lbs by express $7.50.**

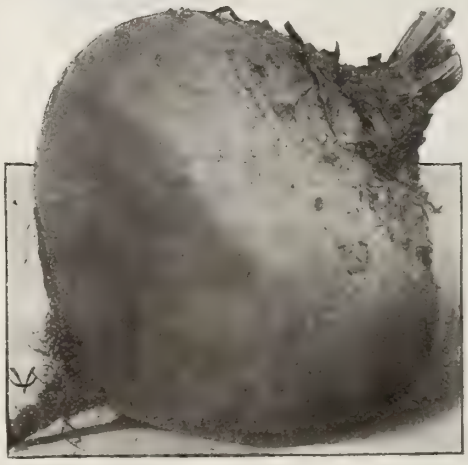
DETROIT DARK RED TURNIP—Main Crop

A grand beet for bunching for market; tops exceptionally small and upright; roots are a **perfect turnip shape with small tap roots.** Color of skin dark blood red; flesh bright red. Quality of the **very best,** sweet, tender and lasting. All through the Western country the Detroit has an unequalled reputation. Our stock is particularly fine shaped and dark fleshed. **One of the best for the market gardener and the home garden.**

Vaughan's Selected Stock, Pkt 5c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb $1.70, by express 5 lbs $7.50.

EDMAND'S EARLY

Roots are of good form, round, with only one single small tap root; flesh is of a deep blood red color, very sweet and tender. Plant closely, as they do not grow large and coarse, but have very small top. One of the best. **Pkt 5c, oz 15c, ¼ lb 45c, lb $1.50, by express 5 lbs $6.00.**



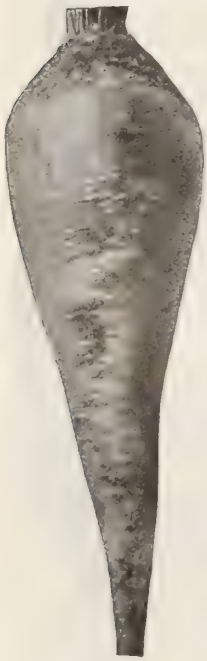
DETROIT DARK RED
A fine sort for main crop in the home garden

VAUGHAN'S CHICAGO MARKET

The most perfect dark blood red kind. Even the leaves of every beet are of the darkest glossy red, almost black color. It is turnip shaped, medium in size, has a somewhat small top and a fine small tap root. This is a main crop variety of great merit for the home garden. It is an excellent keeper and does not become overgrown when left in the garden as quickly as do other kinds. **Pkt 10c, oz 20c, ¼ lb 65c, lb $2.00.**

LONG SMOOTH DARK BLOOD

This variety has long slender roots. The beets are seldom more than 2 inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. **Pkt 5c, oz 10c, 2 ozs 20c, ¼ lb 40c, lb $1.25, by express 5 lbs $5.25.**



LONG SMOOTH BLOOD

HALF LONG BLOOD

One of the best for winter use. Roots only half as long as the "Long Blood," but weighs as much on account of their thickness. Always smooth and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody even in exposed portions. **Pkt 10c, oz 20c, ¼ lb 65c, lb $2.00; by express, 5 lbs $8.50.**

OUR KEY TEST—All our seeds are tested for vitality in damp blotters, using in each collection a proven sample of a similar variety whose germination is positively known as a key. Correctness of the test and real percentage of growth are thus absolutely proved.

ARLINGTON IMPROVED—Early, deep round form; medium size; color dark blood red; does not become stringy, but is sweet and tender at all times. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.35.**

BASSANO EARLY FLAT RED—One of the earliest; flesh tender, white and rose in color. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.35; by express, 5 lbs $6.00.**

DEWING'S EARLY BLOOD TURNIP—Good color; medium size; smooth and handsome. **Pkt 5c, oz 15c, ¼ lb 45c; lb $1.50; by express, 5 lbs $6.00.**

EARLY ECLIPSE—Roots nearly globular, with small tap root and very small collar. Flesh dark red, zoned with lighter shade, very sweet, crisp and tender, especially when young. **Pkt 5c, oz 15c, ¼ lb 45c, lb $1.50; by express, 5 lbs $6.00.**

ELECTRIC—As early as Egyptian and well liked in the Eastern market. It is almost round, leaves small; color very dark, rich crimson, with rings of lighter hue. Flavor delicate, rich and sugary. **Pkt 10c, oz 20c, ¼ lb 65c, lb $2.00; by express, 5 lbs $8.50.**

IMPROVED EARLY EGYPTIAN—The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. **Pkt 5c, oz 15c, 2 ozs 20c, ¼ lb 45c, lb $1.50; by express, 5 lbs $6.00.**

BROCCOLI and BRUSSELS SPROUTS. See page 28.

MANGELS. See page 25.

SWISS CHARD or SEA KALE BEET. See page 52.

EARLY OBLONG VARIETIES

CABBAGE

Cabbage Seed is one of our specialties Our seed of Wakefield, Allhead Hollander and Danish Ballhead is used by the most critical market gardeners of the United States, men whose living depends on producing the best.

VAUGHAN'S SELECTED EARLY JERSEY WAKEFIELD

Of the extra early oblong or conical-shaped head varieties this is the best for use in the United States. It is by far the most popular of the class, and more seed is planted of this variety than of all others of the same type. Earliness, combined with hard heading qualities, are the essential features of a good strain of this sort. Our seed is the result of the most careful selection from early-maturing heads of uniform size (slightly under medium) with small outside leaves (permitting close planting).

We have taken great pains to secure a fine strain of this cabbage, and we think our selected seed is without superior.

Vaughan's Selected American Grown. Pkt 10c, ½ oz 20c, oz 30c, 2 oz 50c, ¼ lb 80c, lb $3.00.

Early Jersey Wakefield, Regular Stock. Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.

LARGE JERSEY or CHARLESTON WAKEFIELD

This sort forms uniform solid heads, considerably larger than the Early Wakefield and matures only a few days later. On clay ground it will mature just as early. Largely planted by gardeners in the South. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 70c, lb $2.60.**

EARLY WINNINGSTADT

One of the best for general use, being very hardy and sure to head. Heads regular, conical, very hard, and keep well both winter and summer. We supply the best imported seed.

Pkt 5c, oz 20c, ¼ lb 50c, lb $1.85.

EARLY YORK

Heads small, heart-shaped, firm and tender. Can be planted 15 to 18 inches apart.

Pkt 5c, oz 20c, 2 oz 35c, ¼ lb 50c, lb $1.60.

EXTRA EARLY EXPRESS

An extra early sort, in which the plants are compact, with round thick leaves, that form an oval head, which is astonishingly large for the size of the plants. The heads are comparatively thicker and less pointed than those of the Jersey Wakefield, and are only slightly later than those of that sort. **Pkt 5c, oz 15c, ¼ lb 45c, lb $1.60.**

Our prices on pounds include postage. If sent "by express," customers paying charges, 10 cents may be deducted from single pound rates.

EARLIEST ETAMPES

Very similar to Express. The heads are fully as large, not quite so hard, but are of excellent quality. Sold for "Earliest of All," "Wonderful," etc. **Pkt 5c, oz 15c, ¼ lb 45c, lb $1.60.**

Special Offer Early Jersey Wakefield, select Charleston Wakefield, Early Allhead, Vandergaw or All Seasons, Premium Flat Dutch, Bridgeport Drumhead, Danish Ballhead, late.
One packet, any three above.....15c
One ounce, any three above.....55c

. . . . EARLY FLAT VARIETIES . . . .

ALL HEAD or FAULTLESS

For the amateur who plants but one variety of Cabbage this is the one he should select as for all purposes it answers the requirements better than any other sort. It matures heads of large size, uniform, handsome in appearance, and of a quality which is not equaled. The outer leaves are few and close plantings may be made. Among kraut growers it is the most popular variety for the largest tonnage possible may be raised to the acre. Our seed is grown by the originator of this variety on Long Island. **Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.10.**

VAUGHAN'S ALL SEASONS

Vandergaw

One of the best sorts for market gardeners and amateurs. Forms large, solid heads, much larger than Early Summer and is almost as early. If planted late it makes a first-class fall and winter sort. A desirable feature is its absolute certainty to head and excellent quality. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.**

EARLY FLAT DUTCH

A sure header, weighing from 10 to 12 lbs., of even size, and solid. They mature about as early as Early Summer, and stand long without bursting. This is one of the best of the second early kinds. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.**

Copenhagen Market, the new first early Flat Head variety should be given a trial by every grower of early cabbage; see page 4 of this book.

NEW EARLY FLATHEAD

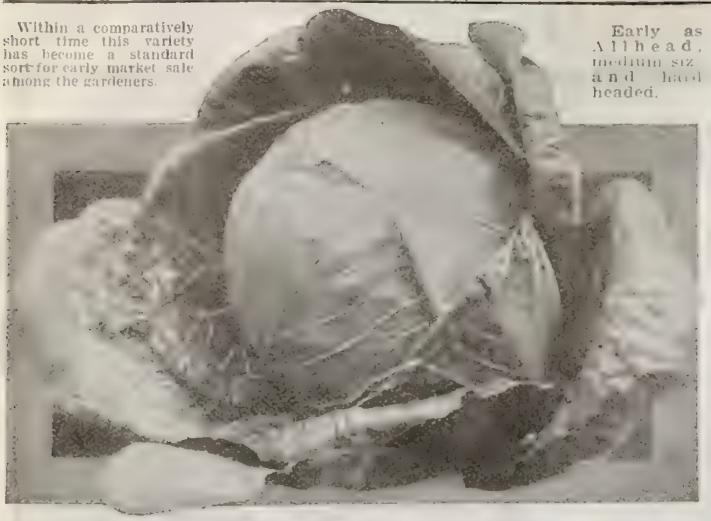
Improved Early Spring This is a cross between Jersey Wakefield and Succession. It has the thick leathery leaves of the Wakefield and produces slightly rounded heads at practically the same date as the pointed Wakefield. The plant is dwarf growing and has few outside leaves.

Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.60.

EARLY SORTS | CABBAGE | FLAT AND ROUND

Within a comparatively short time this variety has become a standard sort for early market sale among the gardeners.

Early as Allhead, medium size and hard headed.



GLORY OF ENKHOUSEN, a Very Valuable Early Sort

GLORY OF ENKHOUSEN

A comparatively new Cabbage from Holland, it has met with exceptional popularity on account of its earliness, sure headedness and fine keeping quality. The heads are of medium size, just right for market, globe shaped and of handsome dark green color. The quality is excellent, the leaves being fine ribbed and the outer leaves set close, permitting close planting. Where this variety has been tried in the market-growing centers the growers have been very enthusiastic. It is now generally considered as the most important introduction in the cabbage line in the past decade.

Pkt 10c, ½ oz 20c, oz 35c, 2 oz 55c, ¼ lb 85c, lb $3.10.

DANISH SUMMER BALLHEAD

The Danish Summer Ballhead Cabbage is taking the place among the early varieties that the Danish Ballhead holds among the later sorts. It is a second early, extremely hard, long-keeping and of superb quality, and on light soil it does particularly well, being a sure header. It resembles the Winter Ballhead quite closely, excepting that it is smaller and slightly flat on top. It has traces of curliness on the outside leaves and delicate flavor that suggests Savoy blood. Color is light green, very small, with fine ribs in the leaves.

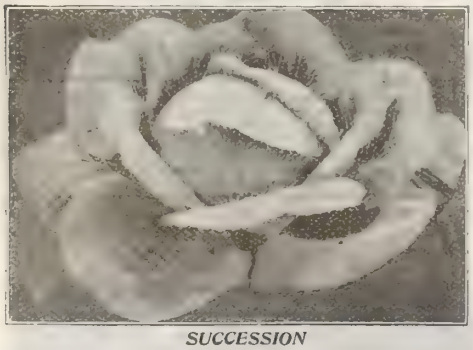
Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.60.

EARLY SPRING Smaller than Early Allhead, it is of the same type and almost as early as Wakefield. Its shape is round, slightly flattened on top, very solid, even before the Cabbage reach their natural size.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 65c, lb $2.25.

SUCCESSION A second early—about two weeks later than Early Summer. The heads are larger, slightly flatter than the above variety and run more uniform. The color is light green; the heads are solid, have good keeping quality and are of excellent quality. A favorite with market gardeners.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 85c, lb $3.10.



SUCCESSION

LATE FLAT DUTCH Slightly smaller than Premium Flat Dutch and perhaps a little better keeper.

Pkt 5c, oz 20c, ¼ lb 60c, lb $2.10.

Use **Slug Shot** for cabbage worms. Can be used without danger; absolutely kills cabbage worms. **5 lb package 30c, 10 lb 50c, 25 to 50 lbs at 4¾c per lb.**

Premium Flat Dutch

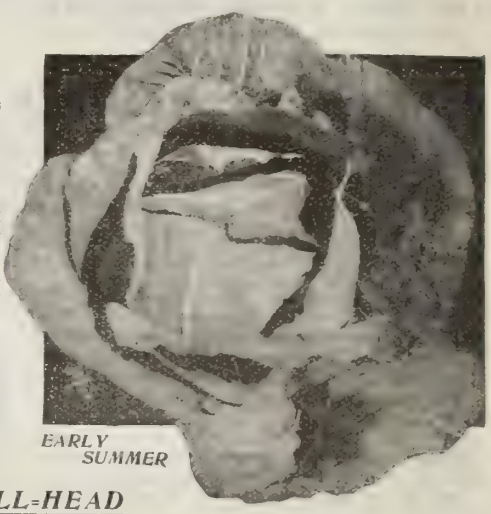
FOTTLER'S BRUNSWICK DRUMHEAD

A dwarf growing sort with very large heads coming in considerably earlier than Premium Flat Dutch. It is of value for both second early and winter use and is much planted by gardeners. The heads are flat and solid with few outer leaves, of light green color.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.

EARLY SUMMER The popular flat head variety for early market. In season it follows right after Wakefield. The heads are of fair size, round with a peculiar bluish tinge. The Cabbages are compact, solid with great large outer leaves. The quality is good and its fine appearance makes it bring ready sale.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.



EARLY SUMMER

LATE or MAIN CROP SORTS

DANISH BALL-HEAD

Vaughan's Select Stock. The most popular of all late varieties for Winter use. Genuine seed grown on Amager Island, Denmark. Because of its "great solidity" of head, and its unequaled keeping and shipping qualities, Danish Ball-Head has supplanted nearly all other varieties for winter use. Many trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. The Ball-Head we offer is the tall-stemmed strain, to be distinguished from the short-stemmed "Hollander" or the Dwarf Amager, the Danish grown strain of the Hollander. The heads are of excellent market size—not too large. They are very hard, almost round, fine grained, and will weigh one-fourth more than other varieties of equal size.

There is no higher bred cabbage seed than the strain we offer. Owing to the good crops the past two seasons, if requested we can furnish one year old proven seed.

Pkt 10c ½ oz 20c, oz 35c, ¼ lb 85c, lb $3.00.

PREMIUM FLAT DUTCH

The most popular large heading flat-head variety. No cabbage is so universally grown as this. Seed may be grown in the open ground and plants raised without the use of hotbeds. Our strain produces immense solid heads, uniform and of best quality.

Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 60c, lb $2.10; by express, 5 lbs $9.50.

HOODOO is the most uniform in type, color, sweetness and solid meat of all Orange-Fleshed Musk Melons.

Danish Ball-Head, the most popular winter cabbage. Genuine Danish seed raised on Amager Island, Denmark.

DUTCH WINTER OR HOLLANDER

The best Cabbage for late spring sales and for shipping. This has become known in the past eight years as the most reliable Cabbage for the shipping trade, and has been almost universally used in districts famous for Cabbage growing, such as Racine, Wis., Central New York, Michigan districts and others. The heads are of medium size, averaging about 8 lbs., and are very solid, and in their fine white color entirely distinct from other kinds. While the quality is good they are uniformly excellent keepers, the heads being often just as solid and perfect when taken out in the Spring as when put away in the Fall. No Cabbage will sell against it.

Dutch Winter or Hollander Cabbage, Vaughan's Extra Selected Stock. Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00; by express, 5 lbs $14.00.

DWARF AMAGER OR SHORT-STEMMED DANISH BALL-HEAD

A variety which is very similar to Dutch Winter or Hollander, so nearly so it is almost impossible to tell the difference. This seed we import direct from Amager Island, Denmark. One-year-old proven stock if wanted.

Pkt 10c, ½ oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00; by express, 5 lbs $14.00.

Illustration Shows Excellent Shape Solid Head, with Finely Bred Short Stem

VAUGHAN'S BRIDGEPORT DRUMHEAD

The best large Fall shipping Cabbage in existence. Our strain of this Cabbage, of which we are the introducers, has been selected by us for twenty years, and the original type has not only been kept up, but improved, so that a field of them is more uniform than any other sort. The quality is fine for slicing, for kraut, in fact, for general table use is unsurpassed. **Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.50; by express, 5 lbs $11.00, 10 lbs $20.00.**

OTHER GOOD VARIETIES

Any of the following: Pkt 5c.	Oz.	¼ lb.	Lb.
Large Late American Drumhead A selected strain of this standard Winter Cabbage	$0.15	$0.50	$1.60
Autumn King Similar to Flat Dutch with ruffled outer leaves	.20	.60	2.10
Improved Stonemason A large, solid, late Drumhead—Popular in certain sections	.20	.60	2.10
Louisville Drumhead Another strain of Drumhead. Very compact, short stemmed, semi-flat and good quality	.20	.60	2.10
Marblehead Mammoth Drumhead Late, about the largest cabbage grown. Popular with gardeners	.20	.60	2.10

CABBAGE

LATE OR MAIN CROP

Sure Head This sort produces large round flattened heads which are of uniform size, very hard and of fine texture, and weigh from 10 to 15 pounds. It is a good keeper and shipper, of fine quality and certain to head even in the most unfavorable seasons. A general favorite with gardeners or large growers. **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.10.**

The Lupton The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. It is one of the best keepers and comes out in the spring bright and fresh. Our seed, grown by the originator, will produce cabbage of the best type. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.00.**

Waupun, Wis.

I purchased two pounds of Danish Ball-head Cabbage Seed from you last year. My ten acres were almost perfect. If the seed had cost me $100.00 per pound it would have been cheaper than to have planted seed which many of the other planters used here. B. F. SAWYER.

We can offer proven one year seed of many varieties if asked for.

RED CABBAGES

Mammoth Rock Red The best large Red Cabbage. A sure header of good red color to the center. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.60.**

Zenith A very fine medium early sort. Not large, good quality and fine color. (New.) **Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00.**

Vaughan's Black Diamond A new second season black red variety. Head medium large, very firm, leaf rib thin and small, few outer leaves. **Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb $1.00, lb $3.50.**

Extra Early Dark Red Erfurt, Dark Red Dutch, Red Drumhead. Also see Novelties. — **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 50c, lb $2.00.**

SAVOY CABBAGES

These are the best of all Cabbages as regards quality and flavor. Blistery leaves give them a strange appearance. However, once planted they are always sown again the next season.

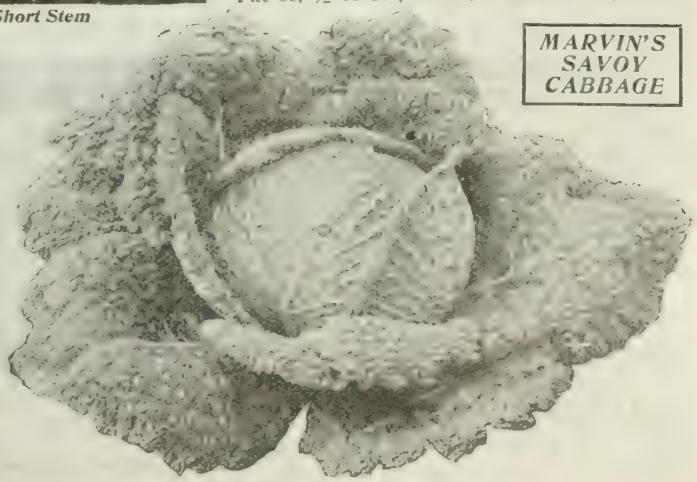
Iron Head Savoy Best of the early sorts. Round head, large and solid. Quality excellent. **Pkt 10c, oz 25c, ¼ lb 75c, lb $2.25.**

Marvin's Savoy A large solid head, very curly. An almost sure header and the most popular of this class. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 65c, lb $2.25.**

Early Ulm Savoy A very early sort. **Pkt 5c, oz 20c, ¼ lb 50c, lb $1.85.**

All Head Savoy Conical head, fine quality. Early and solid. **Pkt 10c, ½ oz 20c, oz 30c.**

Improved American Standard main crop sorts. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.00.**



MARVIN'S SAVOY CABBAGE

CARROTS

FOUR POUNDS TO THE ACRE

Carrots require a deep, well worked soil. For home use and early bunching the Chantenay, Nantes and Oxheart are the best; for general crop, our selected Danvers; while for feeding, the Mastodon and Belgians (see page 25), yield the largest crops. For shape, the carrots run as follows: Early Scarlet Forcing, the earliest and nearly round; Early Short Scarlet, next in season, about three inches long; Oxheart, Nantes and Chantenay follow, these being the best quality, running from four to six inches; Selected Danvers is a little longer, and Long Orange the longest of all.

VAUGHAN'S SELECT DANVERS

EARLY CHANTENAY

VAUGHAN'S SELECTED DANVERS *The Gardener's Favorite Strain*

We need offer no other proof of the popularity of this strain than the fact that, during the last twenty years, we have seldom been able to supply the demands of our customers. The ever-increasing sales from year to year mark this as a growing favorite. Vaughan's Selected Stock is widely known and planted to almost the exclusion of all others when the orders can be filled. As a carrot to fill every general purpose this is unexcelled, no other variety possessing such general usefulness. While some varieties of carrots attract attention by some extreme quality such as color, sweetness, peculiarity of flavor, size, shape, etc., this carrot without being extreme in any one direction is very noticeable for its uniformity of excellence in all. It is due to this latter fact that it holds a place in general favor above that of a mere specialty. First and foremost, however, Vaughan's Selected Danvers has been bred for yield and on a given acreage it will produce a larger crop of marketable roots than any other kind, this being due to its ideal shape for producing the largest possible root in a given space. The roots are of rich orange color and about six inches long with blunt point.

Pkt 10c, oz 25c, 2 oz 45c, ¼ lb 80c, lb $2.75, 5 lbs $13.50.

EARLY CHANTENAY *The Elegant Bunching Carrot*

As an **Early Main Crop** has claims that should appeal to market gardeners. The carrots grow about six inches long, are stump rooted, very smooth, deep red, fine grained, sweet and sugary and are not apt to crack open while growing. Fine table sort; excellent cropper. Our seed is most carefully selected. **Pkt 10c, oz 25c, ¼ lb 70c, lb $2.50, 5 lbs $12.00.**

Very Early Scarlet Forcing **(French Horn.)** Best variety for **Earliest Forcing.** Reddish Orange colored roots, nearly round. When matured they are about two inches in diameter, but should be used before they are full grown when tender and delicious. **Pkt 5c, oz 20c, 2 oz 35c, ¼ lb 65c, lb $2.35.**

Early Short Scarlet **(Dutch Horn.)** Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. **Pkt 5c, oz 20c, 2 oz 35c, ¼ lb 65c, lb $2.35.**

Nantes Half Long, Early For extra **sweetness,** this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. **Pkt 10c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.50.**

Half Long Danvers This is the stock usually bought by Seedsmen. **Pkt 5c, oz 20c, ¼ lb 65c, lb $2.35; by express, lb $2.65, 5 lbs $11.25.**

Vaughan's Chicago Forcing

As a **Forcing Strain** this variety claims attention. It is similar in shape to the "Chantenay," but develops much earlier and has smoother roots which color a fine dark red before other varieties. It is a little delicate for market purposes, but as a **forcing** carrot or for use in the open ground home garden as an early variety, it is a fine sort. It is not well adapted for bunching as the leaves are fine and short, but in quality it is excellent, and is entirely without core (heart). **Pkt 10c, oz 30c, ¼ lb 85c.**

Improved Long Orange

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. **Pkt 5c, oz 20c, ¼ lb 65c, lb $2.35; by express, 5 lbs $11.25.**

Seed Carefully Grown Our Carrot Seed is raised by experienced and careful growers who know the importance of selection and isolation, and practice it.

GUERANDE or OXHEART. Fine Quality, Good Size

GUERANDE or OXHEART

For the home garden and the market garden we can confidently recommend this splendid carrot as possessing qualities that are equally required for both. It is a thick carrot, five inches long, and very blunt at the lower end. It **grows very rapidly** and attains a weight of more than one pound. It is **tender, of good flavor,** and a deep **red color;** it is a good variety to plant, and market gardeners, as well as cultivators of home gardens, find it so. **Pkt 10c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.50; postpaid by express, 5 lbs $12.00.**

Carrots for Stock The Mastodon, Long White Belgian and Orange Belgian, etc. See next page. ¼ lb. Carrot Seed, Vaughan's Long Orange, for 65c, will sow one-half acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle to 150 bushels of oats.

CARROTS AND BEETS FOR STOCK FEEDING

VAUGHAN'S MAMMOTH LONG RED MANGEL

Root crops are highly valuable and worthy of more general cultivation in the United States. The feeding value of roots is directly proportional to the dry matter content. This dry matter pound for pound is equal to any grain; when fed to cattle is more eagerly eaten and more digestible. This dry matter runs from 10 to 14 per cent of total weight. Thus a low yield of 20 tons would give over 2 tons of dry matter equal to 65 bushels of corn. A supplementary ration of cereal is good.

MANGELS OR STOCK BEETS

Successful cultivation depends largely upon a well prepared seed bed, ploughed deep and well pulverized. Sow 6 pounds of seed per acre. On carefully prepared land yields of 40 and 50 tons per acre have been taken not uncommonly. The Mangel is a dependable cropper, ripening after harvest, is ready to feed January 15th. Mangel diet gives one-third more milk than potatoes when fed to milch cows.

Vaughan's Mammoth Long Red. This is the most productive Mangel variety, yielding enormously. Crops as high as forty to sixty tons to the acre have been produced, and a single root often weighs twenty to thirty pounds. It grows well above the ground, and is easily pulled. Our stock shows a very good percentage of dry matter, and has been carefully selected for large, thick roots.

Oz 10c, ¼ lb 20c, lb 60c; by express, 5 lbs $2.25.

Half Sugar Mangel. The roots of this new variety are valuable for their very high dry matter content, being pound for pound, nearly equal to the best strains of sugar beets. Besides which they are more succulent in feeding than the latter. Moreover, as they grow out of the ground, they are much more easily harvested than are sugar beets.

Oz 10c, ¼ lb 25c, lb 70c; by express, 5 lbs $2.50

Golden Tankard. This is the best known yellow Mangel. It is a very distinct variety, and contains probably the largest per cent of dry matter of any of the Mangels. It is cylindrical in shape, and easily pulled; very hardy, and a good yielder.

Oz 10c, ¼ lb 20c, lb 60c; by express, 5 lbs $2.25.

Giant Yellow Intermediate. Root is ovoid, between the shape of the long and the globe variety. Flesh white, firm, and has a good per cent of sugar. Much liked by cattle.

Oz 10c, ¼ lb 20c, lb 60; by express, 5 lbs $2.25.

Champion Yellow Globe. An old standard variety, much planted in England. Skin yellow, flesh white and solid.

Oz 10c, ¼ lb 20c, lb 60c; by express, 5 lbs $2.25.

Feeds and Feeding	Carrots and Mangels
A new and valuable book on the subject by Prof. Henry of the Wisconsin University. **$2.00**, postpaid.	These crops discussed fully by James J. H. Gregory. Paper, **30c**, postpaid.

SUGAR BEETS

The growing of Sugar Beets in the United States has become one of our most important industries. Our seed is from the best growers, who select all their beets by laboratory tests for high sugar content. Our seeds will raise beets with a much higher percentage of sugar than seed ordinarily offered. They are also superior for stock feeding, as they are very high in dry matter content.

Vilmorin's Imperial. An improved French variety, exceedingly rich in sugar. Under average conditions it has yielded 14 tons of roots to the acre, containing about 16 per cent of sugar.
Oz 5c, ¼ lb 15c, lb 50c; 5 lbs, by express, $1.75.

Klein-Wanzleben. This kind is cultivated on a larger scale than any other Sugar Beet. The root is conical, straight and even, quite large at the head and rapidly tapering. It is easy to dig and is a heavy yielder. **Oz 5c, ¼ lb 15c, lb 50c; 5 lbs, by express, $1.50.**

French Red Top Sugar. Combines with heavy yield a good percentage of sugar. It is very hardy and productive, yielding about twenty tons to the acre. A most desirable sort for stock. **Oz 5c, ¼ lb 15c, lb. 45c; 5 lbs, by express, $1.50.**

Lane's Improved. Heavy yielder, flesh snow white. **Oz 5c, ¼ lb 15c, lb 50c; 5 lbs, by express, $1.75.**

GIANT ECKENDORF MANGEL

This is the most popular German variety of Mangel. In Germany is more largely planted than any other sort. Selected especially for a square, chunky type, it is valuable not only for its high percentage of dry matter, but also for its phenomenal yields. Roots weigh as high as fifteen and twenty pounds apiece. They grow cylindrical in shape and are yellow. As the greatest portion of the root grows above the surface of the soil, they are easily harvested, and their chunkiness prevents their breaking in handling. This is one of our best varieties.
Oz 10c, ¼ lb 20c, lb 65c; by express, 5 lbs $2.50.

BARRES SLUDSTRUP *Yellow Ovoid Giant*

The Danish Department of Agriculture has, for some years, been breeding by means of the modern scientific methods of line breeding and laboratory tests for dry matter content, a number of Mangels to improve this crop which ranks with them as corn does with us. The Barres Sludstrup is their best strain to date. The root is large—a remarkable yielder and very high in "dry matter content." Our Seed is Danish grown. First-class certificate.
Price: Oz 15c, ¼ lb 40c, lb $1.25.

BARRES SLUDSTRUP

CARROTS

Our carrot seed is hand rubbed and raised from roots carefully sorted to type. Cheap seed is raised from field run roots.

The Mastodon. This is the heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is white, solid, crisp, and very sweet; the roots are short and very heavy at the shoulder, which allows them to be harvested very easily. They do not break easily in pulling or storing, owing to their solidity and shape. One of the most profitable carrots; liked by both cattle and horses.
Pkt 5c, oz 20c, ¼ lb 60c, lb $2.00, postpaid; by express, 5 lbs $9.50.

Vaughan's Half Long Danvers. This is a broad-shouldered carrot, cylindrical in shape, stump rooted, of excellent color, best flavor, and a most wonderful producer. Ready in about 65 days from the time of sowing. It is not only one of the best for the table, but owing its shape, size, and great yield, and the fact that it is so easily harvested, one of the best for stock. **Pkt 5c, oz 20c, ¼ lb 65c, lb $2.35; by express, 5 lbs $11.25.**

Long White Belgian. A variety with long slender root, about one-third of which grows above the surface of the ground, thus making it easy to pull. It is very productive, highly nutritious and a good keeper.
Pkt 5c, oz 20c, ¼ lb 60c, lb $2.00; by express, 5 lbs $9.50.

Long Orange Belgian. This sort is very similar to the white Belgian except in color. Its strong point is its keeping quality, making it of especial value for late feeding.
Pkt 5c, oz 20c, ¼ lb 60c, lb $2.00; by express, 5 lbs $9.50.

Improved Long Orange. A well-known sort; roots long, thickest near the crown, tapering regularly to a point; color orange. It is a good keeper of fine quality for winter use and extensively grown for stock feeding.
Pkt 5c, oz 20c, 2 oz 35c, ¼ lb 65c, lb $2.35; by express, 5 lbs $11.25.

Carrots are well liked by all classes of stock. Their feeding value also is high. They are especially valuable for horses and may be fed alternately with oats. The stables of the largest and best teams in the large cities feed carrots once a day all winter and spring. "Horses, like human beings, require a variety of food and thrive best upon a ration that involves a change of diet." Carrots require a deep, well pulverized soil, fairly free from weeds. There are short varieties for shallow soil and long kinds for deep soil. Sow 5 to 6 pounds per acre

IMPROVED LONG ORANGE CARROT

Cauliflower is a vegetable that grows to perfection in but few localities. Ideal Cauliflower Seed of earlier types is produced only in Northern Europe. For nearly twenty years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect. This seed, grown from heads especially selected for seed purposes, may be depended on for best possible crops.

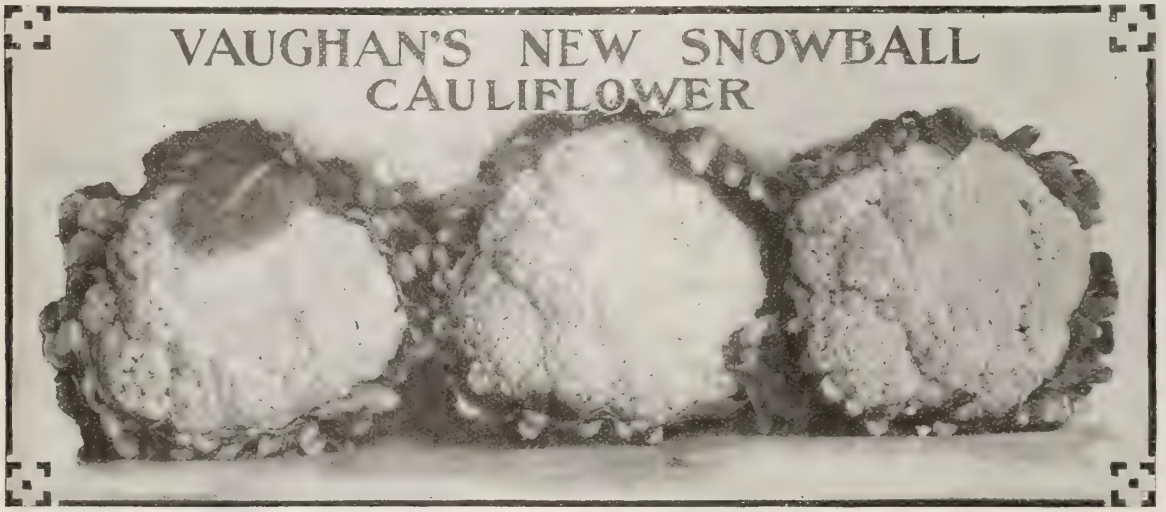
CAULIFLOWER

VAUGHAN'S NEW SNOWBALL

This is an excellent strain of this popular vegetable, the superior of which cannot be found. In size, compactness and color it represents quality of the highest type. A well grown head will measure 9 or 10 inches across and have depth in proportion, very solid and the core will be perfectly white. Cauliflower seed when perfectly bred and grown is constitutionally weaker and, on the average, lower in germinating power than the ordinary cauliflower or cabbage seed. We correct this by extra cleaning. During the many years we have sold this splendid variety to hundreds of critical market gardeners it has given uniformly the best results. We have gone to the extent of verifying the merits of this strain with those of other seedsmen, whose claims for their varieties all were of excelling quality. All our efforts to find a better variety have proven of no avail.

VAUGHAN'S NEW SNOWBALL. These facts have been verified in all tests at our trial grounds at Western Springs. We have only been able to maintain the highest quality of this seed through many years by buying only the best strain procurable at a price which is uniformly double that for which ordinary cauliflower seed can be bought. **Vaughan's New Snowball** Cauliflower is put up in packets as follows:

Pkt 25c, ¼ oz 75c, ½ oz $1.40, oz $2.50, ¼ lb $9.00, lb $32.00.



Seed Recleaned With Special Care

With great care, labor and painstaking watchfulness to bring up the standard of growth and germinating power in this variety, we reclean and resift the seed when it comes to us from its native European climate. By these means we are able to supply our customers, as nearly as possible, with only plump, well-matured seed. The exceptional care and labor we bestow upon this strain has the effect of raising its germinating power twenty to thirty per cent.

VAUGHAN'S EARLIEST DWARF ERFURT

This is a thoroughbred strain of this variety, which is a popular one. It is most desirable for forcing and planting in the open ground. It is dwarfer and a little earlier than "Snowball," but in other respects quite similar to the latter. Good strains of this seed have a pedigree extending back fifty to sixty years. This seed will produce Cauliflower the equal of any on the market. They are so high bred that it is very seldom the plants can average a good seed crop. Our seed is from a famous grower whose strain is always dear and scarce, but unexcelled.

Pkt 25c, ¼ oz 50c, ½ oz 90c, oz $1.75, 2 ozs $3.50, ¼ lb $7.00, lb $26.00.

DANISH SNOWBALL, Vaughan's Special

A little later than Vaughan's New Snowball, but a grand second early. Through many seasons of painstaking, careful selection, we offer the result in this splendid variety. It produces even, regular heads. We have sold this strain through many seasons and it has always proven itself reliable. Gardeners may trust with confidence every time. Although not so early, nor does it run as evenly as Vaughan's New Snowball, still it gives a good account of itself. **Pkt 10c, 3 pkts 25c, ¼ oz 40c, ½ oz 75c, oz $1.50, 2 ozs $2.75, ¼ lb $5.00, lb $20.00.**

EARLIEST OF ALL

This is a Danish forcing variety of Snowball, slightly smaller and ten days to two weeks earlier than Early Snowball. Very short leaved, desirable for frames and in the open ground where early market is sought; also a very sure heading variety for the amateur. **Pkt 25c, 3 for 60c, ¼ oz 75c, ½ oz $1.50.**

Large Late Algiers A vigorous late maturing variety for late fall use. Large heads. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.75.**

Autumn Giant In southern localities this meets with favor as a large heading late fall sort. **Pkt 5c, ½ oz 20c, oz 35c, ¼ lb $1.10, lb $4.00.**

Extra Early Paris Very dwarf and early; heading first class. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.50, lb $6.00.**

Half Early Paris Slightly larger and later than above. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.50, lb $6.00.**

Lenormand's Short Stem Bears large white head, on short stems. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.85.**

Extra Early, or Second Erfurt A very fine strain, producing large, white, firm heads; close and of excellent quality. **It is dwarf, extra early and always certain to head;** for early or late. We sell this largely to gardeners, who prefer it to Snowball. **Pkt 10c, ¼ oz 50c, ½ oz 85c, oz $1.50, ¼ lb $5.00.**

Large Early Erfurt This is a vigorous growing variety, with large, white, firm heads. It is the very best sort for a second crop. **Pkt 10c, ½ oz 40c, oz 75c, ¼ lb $2.50.**

The best seed for early varieties of Cauliflower comes from a very limited area in Northern Europe.

Land in this region is high in value. Cauliflower seed receives constant care and the crop is never a heavy one.

"Cabbages and Cauliflower" A valuable treatise on growing of these two articles, by J. J. H. Gregory. Sent postpaid for 30c.

DRY WEATHER CAULIFLOWER

This strain is offered in view of its special features recommending it as a safe crop variety. In seasons of especially dry weather and in sections of the country where warm weather prevails, and little or no cold weather, this is a very desirable sort. It has proven itself of exceptional merit under the conditions named. It is very sure heading and second early; heads larger than "Snowball" and are snow white. Our seed is A1 and procured from the original grower in Denmark. There should be at least a portion of any large acreage planted to this variety.

Pkt 20c, ¼ oz 75c, ½ oz $1.40, oz $2.50, ¼ lb $8.50.

DRY WEATHER CAULIFLOWER

Cauliflower Plants For people who have not hotbeds or who are late planting, we grow large quantities of all sorts of vegetable plants. (See page 144.)

CELERY

New Celery, Chicago Giant Self-Blanching. A Grand New White
See Novelty Page 4

VAUGHAN'S CELERY MANUAL By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. **Price, postpaid, 25c.** Will be sent free, with a Celery Seed order of $2.00, or with any general order for other seeds, amounting to $3.00, if requested.

VAUGHAN'S SELECT STOCK GOLDEN SELF-BLANCHING CELERY

GOLDEN SELF-BLANCHING

For the early market this sort is deservedly popular and is the leader nearly everywhere. The stalks are much broader and heavier than the white varieties and are eminently superior in quality. This sort produces dwarfer and much larger bunches than the other varieties and with broad heavy stalks, which blanch into a richer golden-yellow color. The very handsome color, crisp, tender stalks, which are free from stringiness, and with excellent flavor, makes this variety the market favorite. **It is the standard of excellence in the yellow varieties.** Our selected stock is grown for us in France by the introducers. This is the strain used by gardeners who plant in quantity. Our regular strain, grown in this country from seed of our selected stock, is, however, produced with the greatest possible, painstaking skill, by scientific growers of long and successful experience, and it can be relied upon to give entire satisfaction. It is thoroughly dependable, and many critical gardeners are amongst its greatest admirers. Prices: Vaughan's Selected Stock, **pkt 15c, oz $1.00, ¼ lb $3.50.**

GOLDEN SELF BLANCHING AMERICAN GROWN, Pkt 10c, ½ oz 15c, oz 15c, 2 oz 85c, lb $6.00.

GIANT GOLDEN HEART

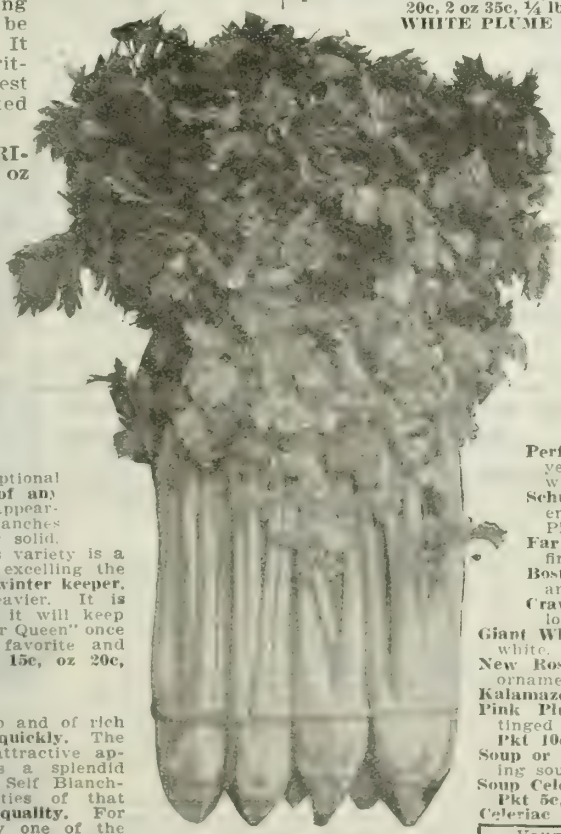
For winter storage "Giant Golden Heart" is the best celery you can buy. This strain has enjoyed an extensive and substantial popularity ever since we introduced it, and that popularity is due entirely to the exceptional merit it possesses. It is not only the best keeper, but **it is large, solid and sweet as a walnut and of a beautiful golden color.** It is a selection of the "Dwarf Golden Heart," grows much larger than the parent and otherwise possesses all its other excellent qualities. Prices: **Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 60c, lb $2.25.**

WINTER QUEEN

A winter and spring variety with exceptional merit. **Has double the amount of heart of any known celery.** The plant is beautiful in appearance, of close habit and compact growth; blanches to a beautiful cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. This variety is a most valuable one for winter and spring, excelling the celebrated "Perfection Heartwell" as a **late winter keeper.** It is also much thicker, stouter and heavier. It is worthy of first place as a late celery, as it will keep longer than any other variety. Grow "Winter Queen" once and you will always grow it; it is a favorite and a money maker. Prices: **Pkt 10c, ½ oz 15c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.25.**

GIANT PASCAL

The stalks are **very large and solid**, crisp and of rich nutty flavor. **It blanches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. **It is a selection from the "Golden Self Blanching,"** and possesses many of the qualities of that strain with the added value **of keeping quality.** For Fall and Winter use this. **It is certainly one of the best varieties owing to its splendid keeping qualities and marketableness.** Prices: **Pkt 5c, ½ oz 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb $1.60.**



WHITE PLUME
The Gardener's Friend

WHITE PLUME

This variety which is most widely known and highly valued by market gardeners throughout the northern country has long been recognized as the best of all the **white varieties.** The special features which have made this sort both so popular with growers and consumers are its fine flavor and general excellence of quality; this interests the consumer, and the vigor, size, and marketableness for which this strain is famous, interests the grower, as a money maker. Northern country market gardeners plant large quantities of this seed every year and find the celery uniformly white and free from hollow stalks. As a keeper we do not recommend it, but for fall and early winter, as well as early spring, it has the endorsement of practical and critical market gardeners, who recognize its value as a seasonable money maker of the first class. Its habit of growth is vigorous, large size, stalks of pure white, crisp, tender, and fine flavored. Of the white varieties it is without a peer. Our carefully selected stock is produced, selected and prepared with skill, care and watchfulness which has made our stock valuable to many thousands of satisfied customers and can be relied upon as entirely dependable and worthy of your confidence. Prices. **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.10; by express, 3 lbs $5.00, 5 lbs $8.00.**

WHITE PLUME REGULAR STOCK SEED. Pkt 5c, ½ oz 10c, 1 oz 15c, 2 oz 25c, ¼ lb 40c, 1 lb $1.50.

DWARF GOLDEN HEART

A long keeping Golden Dwarf of established merit. The heart is large surrounded by a shapely solid stalk. The heart blanches a beautiful yellow **after storing;** it requires little trimming for market as it is so shapely and solid. It has attained great popularity in many celery growing sections, so much so that it is planted to the exclusion of other well known varieties. **Pkt 5c, ½ oz 10, oz 15c, ¼ lb 25c, lb $1.60.**

STANDARD KINDS

Prices of these kinds: Pkt 5c; ½ oz 10c, oz 15c, ¼ lb 45c, 1 lb $1.60, postpaid.

Perle le Grand A popular, extra large, fine green celery, for both early and late use. A fine winter keeper.

Evan's Triumph One of the best late sorts. Excellent quality and good keeper.

Rose Ribbed Golden Self-Blanching (Golden Rose) A sort of Golden Self-Blanching, possessing all its good qualities. The ribs assume a deep, warm, rosy hue. **Pkt 10c, oz 40c, ¼ lb $1.25, lb $4.50.**

Perfection Heartwell Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

Schumacher Immense size; solid, crisp; firm golden yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

Far Superior "Many Heart" Late; very large and fine; popular in Philadelphia.

Boston Market White and solid; very dwarf; crisp and tender.

Crawford's or Henderson's Half Dwarf Solid yellowish-white; nutty flavor.

Giant White Solid Of tall, large size; very solid; pure white.

New Rose The best of red celery, solid, crisp and ornamental.

Kalamazoo Half-dwarf; white and solid.

Pink Plume Similar to White Plume. Stalks are tinged with pink.

Pkt 10c, oz 25c, ¼ lb 60c, lb $2.10.

Soup or Flavoring Celery (Old Seed) Used for flavoring soups, stews, etc. **Oz 5c, ¼ lb 12c, lb 30c.**

Soup Celery or Smallage

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.

Celeriac or Turnip Rooted Celery See page 28.

Vaughan's Giant and Dwarf Golden Heart, Giant Pascal, Winter Queen and Evans' Triumph are the up-to-date sorts.

VAUGHAN'S VEGETABLE COOK BOOK
Tells how to cook and use rarer Vegetables, such as are listed on this page. Price, heavy paper cover, 25c; or free to every customer who buys garden seed to the amount of $2.00 and upwards and asks for same.

USEFUL VEGETABLES

Paris Market Brussels Sprouts, showing stalk

GERMAN CELERIAC, Turnip-Rooted Celery

A popular German vegetable worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. These roots keep well all winter. Celeriac is deserving of much more popularity. To aid our customers, to whom this vegetable may be new, we send with our packets recipes for its table use.

New Celeriac "Delicatess" Produces perfectly smooth oval roots, without any side roots, and never rusts. Flesh is pure white, tender and of the best quality of all varieties of this vegetable. This size does very well on light soils. **Pkt 10c, 2 for 15c, oz 35c.**

Giant Prague This is unquestionably the largest and best Celeriac for main crop, and is the most popular with American growers. The roots are very large, almost twice the size of Erfurt, almost globe-shaped, smooth, and with only a few roots at the bottom. The flavor and quality are excellent. The common kinds of Celeriac one sees while marketing are often small and crooked, with a mass of unsightly and useless roots. The Giant Prague averages very regular in shape and has few side roots. It is a general favorite. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 70c, lb $2.60.**

Earliest of All This is a variety ready in June. Flesh pure white and very tender; roots of good size, fine quality and never woody. Foliage short and tubers remarkably smooth. On account of its earliness may be planted for succession as late as July. **Pkt 10c, ½ oz 25c, oz 40c.**

Large Erfurt A standard variety. **Pkt 5c, oz 25c, ¼ lb 70c, lb $2.60.**

CELERIAC, Giant Prague

BRUSSELS SPROUTS

These are miniature Cabbages formed on the side of the stalk of the plant. These have long been considered a choice delicacy in Europe, and are being appreciated by us more and more every year. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. In the North, for early fall use, sow seed in April in hotbed; transplant to cold frame as soon as leaves develop, and set out, where the plants are to remain, in June. For late use sow seed in June.

Imported Danish A fine variety originating in Denmark. **Pkt 10c, ½ oz 25c, oz 40c.**

Paris Market Half dwarf. Excellent yielder. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.**

Improved Dwarf Dwarf habit, and less liable to aphis than the others. **Pkt 5c, oz 20c, ¼ lb 50c, lb $1.50.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth Good white heads. **Pkt 10c, ½ oz 20c, oz 35c.**

Purple Cape This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt 10c, ½ oz 20c, oz 35c.**

CHICORY

Large-Rooted Madgeburg The roots are cut in thick slices, roasted and used for coffee. The leaves in spring also make a good salad. **Pkt 5c, oz 15c, ¼ lb 50c, lb $1.60.**

Witloof Chicory (French Endive) One of the most delicious salads and very easy to grow. (See novelty pages.) **Pkt 10c, oz 25c, ¼ lb 60c, lb $2.00.**

COLLARDS, Georgia A variety of Cabbage used in the Southern States. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

DANDELION (Lowenzahn; Dent-de-Lion) There is a growing demand for cultivated Dandelions, which are fast becoming favorite Spring Greens. The thick-leaved or Cabbage variety we list is an improvement on the common sorts, being almost double the usual size. **Pkt 10c, ½ oz 25c, oz 40c, ¼ lb $1.25, lb $4.50.**

Witloof Chicory

On page 8 will be found a short article on some of the less planted new and old vegetables. Read over the list. Sorts are described from all quarters of the globe, such as are particularly suited to our country.

GARDEN CRESS

Cress or Pepper Grass (Garten Kresse; Cresson Allenois). **Curled Garden.** Much used with lettuce, to which flavor it adds an agreeable pungency. **Pkt 5c, oz 10c, ¼ lb 20c, lb 65c.**

Upland Cress Has highly prized flavor of Water Cress. Is green the whole year and ready for use before any other salad in the spring. **Pkt 5c, ½ oz 15c, oz 25c.**

Water Cress (Wasser-Cresse de fontaine). The pleasant peculiar flavor of Water Cress makes it one of the most delicate salads for table use. It will grow where there is a good supply of fresh, pure water. It can also be grown in tubs of good soil kept in a shady place, provided sufficient water is given it. Cultural directions with each packet of seed. **Pkt 10c, 3 for 25c, oz 30c.**

CARDOON Main stalks, blanched like Celery, are used for salad and in soups. **Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00.**

CHERVIL (Koerbel; Cerfeuil) Similar to Parsley, but handsomer. Excellent for garnishings. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.**

CORN SALAD (Mache-Steck Salat) A most refreshing salad. Is hardy, much used in winter in place of lettuce. May be sown either in spring or fall. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, 5 lbs $4.75.**

Don't Forget Full directions for planting and growing all vegetables and flowers may be had, in full detail, in **Vaughan's Garden Book.** It explains fully the most satisfactory and simple methods of raising the useful and delicious vegetables described on this page. Free with every order, if asked for.

CORN SALAD

SWEET CORN | EARLY VARIETIES

MAMMOTH WHITE CORY

The great popularity of this extra early sweet corn is due to the fact that it was bred with the object of securing three important qualities:

Earliness, Size, Sweetness.

Stated in which ever order you wish, these are the dominant characteristics of this favorite strain. The combination of large size and earliness is entirely due to the care bestowed upon its breeding. The ears are as long as "Early Cory," with two to four more rows of kernels set close so that there is no loss of space in the cob. The grains are of medium size, broad, sweet and very white. Excellent eating quality, retaining its original sweetness after cutting longer than most sorts. The stalks are of medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed stock has been carefully grown and seed stock each year is selected and bred according to the ear row method as developed by scientific field corn growers. Ears are dried in crates to prevent loss of germination.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 75c, pk $1.35, bu $5.00.

VAUGHAN'S SPECIAL

MALAKOFF A week earlier than Mammoth White Cory, it is one of the earliest real sweet corns; ears and stalks small.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c); by express, 2 qts 45c, 4 qts 80c, pk $1.50.

EARLY IOWA This is a real Sweet Corn, and also one of the earliest. Like Malakoff it is a week earlier than White Cory; ears are good size but not as large as "White Cory."

Pkt 10c, pt 20c (by mail 25c), qt 35c (by mail 45c); by express, 2 qts 50c, 4 qts 80c, pk $1.50, bu $5.50.

PEEP O'DAY Another of the "earliest" varieties; grows about 3½ feet high; bears nearly always two ears on the stalks; kernels of good white color; this variety is very similar to Malakoff. Our seed is raised in the North to insure earliness.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

PREMO Of the "White" early Sweet Corns this is a fine variety of good quality. Stalks of medium height, ears eight rowed, rather large, quite hardy, so it may be planted early.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

GOLDEN BANTAM

This is a new early sweet corn, of remarkable popularity, due to its high quality. Some of our customers who prefer this sort to all other kinds are planting it at regular intervals during the season so they may have a continual supply for their table. In season it is medium early, about a week later than "Mammoth White Cory," and is regarded as the best yielder in its class. An economic feature of this strain is in the stalks, which are of medium height bearing heavy foliage which has a value as forage. It may be planted thickly and in the middle states as late as July 20th. The ears are borne two to a stalk and are about six inches in length and with eight rows of kernels on a cob. The kernels are a golden yellow color which at first gives the impression of field corn; however, as soon as it is tasted the eater calls for "some more;" tender, sweet, and delicious flavor are the reasons for the "more" call.

Pkt 10c, pt 20c (by mail 35c), qt 30c (by mail 45c); by express, 4 qts 80c, pk $1.50, bu $5.75.

VAUGHAN'S SPECIAL

EARLY MINNESOTA This is an old favorite early sweet corn; not as early as "Mammoth White Cory" by a few days. Eight to ten rowed, excellent quality, large white grains, and extremely productive. This latter is its most pronounced distinctive quality.

Pkt 10c, pt 15c (by mail 20c), qt. 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

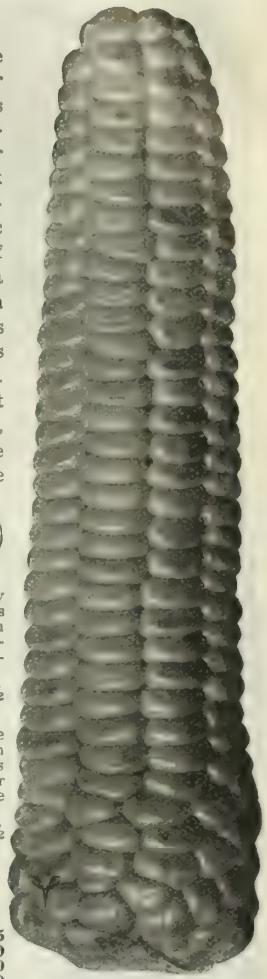
METROPOLITAN A popular early variety in the eastern states; season between "Minnesota" and "Champion;" ear 10 to 12 rowed, kernels large and very sweet; very hardy and germinates better than most varieties in cold soil; is ready for use or sale between extra early and second early sorts.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 75c, pk $1.35, bu $5.00.

OTHER SORTS

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory	10c	15c	25c	$1 10	$4 25
Adam's Early	10	15	25	1 00	3 50
Adam's Extra Early	10	15	25	1 00	3 50
Crosby's Early	10	15	25	1 25	4 50

If by mail, add 5c per pint, 10c per quart.



GOLDEN BANTAM
"Its Sweetness and Delicate Flavor Linger in the Memory"

EARLY EVERGREEN
About One-third Natural Size

SECOND EARLY AND LATE SORTS

EARLY CHAMPION

Of the second early sorts Early Champion takes first place in popular favor. It is one of the earliest large Sweet Corns. Compared with "Mammoth White Cory" it is two weeks later in season. The ears compare favorably with those of the later sorts such as Evergreen. The ears are 12 rowed, very uniform, kernels are pure white and not too large (see illustration), but very sweet, tender and full of milk. The cob is medium size, white; stalks are vigorous, a good many yielding three ears to the stalk. In some localities this corn is planted by gardeners for both early and late sorts. We have a very uniform and well bred stock.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

EARLY EVERGREEN

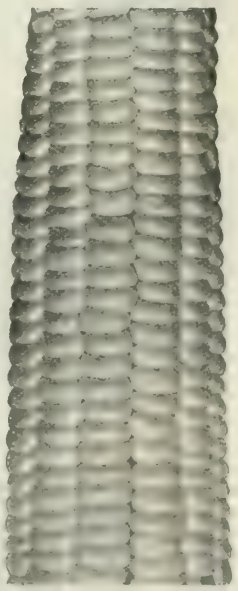
Very large ears; ripens about 8 to 10 days in advance of Stowell's Evergreen, of which it is a slightly smaller edition. The variety remains green for a long time, and in Northern localities it is much surer of making than Stowell's Evergreen. **Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.**

BLACK MEXICAN

Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. **Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.**

VAUGHAN'S BLACK SUGAR

This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation. **Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.**



EARLY CHAMPION
Note Whiteness and Small Size of Kernels

SWEET CORN

MEDIUM AND LATE VARIETIES

STOWELL'S EVERGREEN

Standard main crop variety. Strong and vigorous stalks, seven to eight feet high; produces ears eight inches long with 16 or more rows of the finest sugary grains. This variety has gained and maintained a reputation for productiveness, fine rich flavor and sweetness, deep set tender white grains, making it the most popular favorite. In market, home, or cannery it always is a success. We have specialized this for many years and our seed is the best you can buy. The New England grown seed develops a larger percentage of sugar than that grown in other sections of the United States. We quote prices for both kinds —the New England grown seed and that grown in the Central States.

Stowell's Evergreen (Eastern Connecticut grown). Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

Stowell's Evergreen (Western grown Eastern stock seed). Pkt 10c, pt 15 (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

STOWELL'S EVERGREEN

COUNTRY GENTLEMAN

The Sweetest Corn; grows on stalks six to seven feet high, ears seven to nine inches long. Its distinguishing features are seen in the irregularity of the crowded grains, their size, shape and tenderness. The grains are small, pure white, tender and deliciously sweet. It is a late main crop, good for cannery, market or home garden. If you plant Corn you should certainly have this variety.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

Pkt, any of the following, 10c. If by mail, add 5c to pint and 10c to quart prices for postage.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	$1.25	$4.50
Early Mammoth	15c	25c	70c	1.25	4.50
Moore's Early Concord	15c	25c	70c	1.25	4.50
Old Colony	15c	25c	70c	1.25	4.50
Hickox	15c	25c	70c	1.25	4.50
White Evergreen	15c	30c	75c	1.35	5.00
Late Mammoth	15c	30c	75c	1.35	5.00
Perry's Hybrid	15c	25c	70c	1.25	4.50

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer: **1 pkt each (3 varieties) 25c, pint each 35c (by mail 50c), quart each 75c (by mail 95c).**

COUNTRY GENTLEMAN
The sweetest of all corns

CUCUMBERS

PICKLING VARIETIES

CHICAGO or WESTERFIELD PICKLE

An introduction of our own, this variety has become a recognized standard of best value. Its maintenance by us at the highest quality point is a matter of great pride and attended to with the greatest care. Many of the leading growers of the country are supplied by us with our finely selected seed. Manufacturers pay the highest prices for this splendid variety because of its general excellence for pickling purposes. The fruit when ripe is of medium length, pointed at both ends, with large prominent black spines. The fruits are just the right shape and size for the best kind of pickles. Vines set fruit when young and continue bearing longer than any other variety.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

SNOW'S FANCY PICKLING

SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

CHICAGO PICKLE—The Most Popular

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end. While in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young.

Pkt 10c, oz 20c, ¼ lb 60c, lb $1.50.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy.

Pkt 10c, oz 20c, ¼ lb 40c, lb $1.00.

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	90c
Early Cluster	5c	10c	30c	90c
Fordhook Pickling	5c	10c	30c	90c
Early Frame or Short Green	5c	10c	30c	90c

CUCUMBERS | FOR SLICING

The best and most popular kind of cucumber for slicing is the white spine variety; and of this variety there are many sorts. The kinds catalogued here have been selected because of their adaptability and usefulness to the requirements of market gardeners, and also the lovers of home-grown and pickling and slicing cucumbers. Vaughan's "Arlington White Spine," Vaughan's "Boston Forcing," "Extra Long White Spine," "Davis Perfect," "New Century," "Improved White Spine," "Cyclone," "Rocky Ford," etc., afford a selection adequate to the requirements of the varied tastes, conditions, and local necessities of our customers and our friends.

Vaughan's "Improved Arlington White Spine" is superb as a slicing cucumber.

Vaughan's "Improved Long Green" is a splendid slicing or pickling variety.

Other varieties named possess merits which will enable you to make the selections best suited to your needs.

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

(7 to 10 Inches)

This is a medium sized variety of attractive and desirable type. The color is a glossy green throughout the entire length of the fruit. In shape it is straight and symmetrical, in season it is early. The quality, tender, firm, and excellent flavor, makes it a great favorite, particularly in the Southern country. Vaughan's "Improved Arlington" is a superior strain and recognized as **standard by all growers.** As a home-garden sort and for the Southern trucker it is an **ideal variety,** but a trifle too small for Northern market growers. The rich color, fine quality, and beautiful shape of Vaughan's "Improved Arlington White Spine" make it ideal for the home garden. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

This is a darker green and more slender than "Arlington," very even and smooth, the fruit being from 8 to 10 inches in length. Remarkably prolific and of great value for Hot-bed or Green-house where a medium sized fruit is demanded. The whitish markings are faint and more blended with green than is usual. As a producer it is almost twenty-five per cent more fruitful than other forcing strains.

The seed we offer is of exceptionally high quality as is shown by the fact that fruits produced from it command a much higher price in New York, Philadelphia, and like cities, during the forcing season, than other strains. For outdoor planting in Southern locations, this is a most valuable strain. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

NEW CENTURY A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

DAVIS' PERFECT CUCUMBER—New—See Novelty pages. One of the very handsomest of the very long white spine cucumbers. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

FORDHOOK FAMOUS White Spine. As long as the "Davis" slightly bent but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.10.**

CYCLONE A short variety, three or four inches in length; the earliest of all White Spine Cucumbers; prolific. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

IMPROVED WHITE SPINE Medium length. The fruits are very straight, light green color A fine yielder under all conditions. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

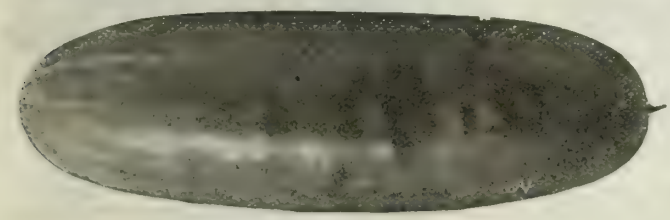
COOL AND CRISP A splendid cucumber for slicing. Early and prolific. Owing to its dark green skin, which is covered with knobs upon which the black spines set, this sort makes a fine appearing pickle. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

EMERALD A very smooth and almost spineless cucumber. Color a fine dark green which it retains well Its quality for slicing is excellent. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

NICHOL'S MEDIUM GREEN. An old popular variety. Medium in length, as name implies. Color dark green; flesh crisp and of good flavor. The vines are productive, season early, and the fruit straight and smooth. Good for both pickling and slicing. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

EXTRA LONG WHITE SPINE

THE EXTRA LONG WHITE SPINE, or "Evergreen," as it is sometimes called, is the standard and most popular of the **Long** White Spine varieties. In season it is early, vigorous, and prolific, more blight-proof than the **ordinary long sorts.** The shape is straight; smooth, dark, shiny green in color; 8 to 12 inches in length, and, compared with "Davis Perfect," is larger in diameter. The flesh is crisp, tender and of superb flavor. For general market and home use it is without a superior in this variety. The seed we offer is the result of a number of years of exhaustive trials and a scientific selection from the pick of different strains of many growers. **Select stock: Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**



EXTRA LONG WHITE SPINE

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown stock. **Pkt 50c.**

Prescott Wonder. A fine flavored sort. Good yielder. **Pkt (50 seeds) 25c.**

Carter's Model. One of the best English varieties. Immense size. Straight and smooth **Pkt (25 seeds) 25c, 3 for 65c.**

Noa's Forcing. An old standard. **Pkt 50c.**

Vaughan's Prolific Forcing. This is early and shorter than other sorts. Very uniform and a good yielder. **Pkt (25 seeds) 20c, 3 for 50c.**

Grand Rapids Forcing. A very long American sort. **Pkt (65 seeds) 50c net.**

IMPROVED LONG GREEN

Vaughan's Selected Stock

Of the Black Spine varieties this is one of the best for slicing and for pickles; a selection from the **"Long Green."** The vines are very vigorous and productive. The fruit, which is twelve inches long, is formed almost as early as the short sorts. They are firm, crisp, and of fine flavor, with a certain distinctiveness of their own. The fruits make excellent pickles, and when ripe, they make the very best sweet pickles. Those who desire a long, dark green, black spine cucumber, will find this strain to be unsurpassed in any feature that makes for first class quality. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00. By express 5 lbs $4.00.**

IMPROVED LONG GREEN

ODD CUCUMBERS

Japanese Climbing This sort grows quickly, climbing poles or trellis, thus taking up very little room in the garden. The fruits are of good size and of fine flavor, adapted especially for slicing and salads. Does best in dry, warm summers. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

Lemon Cucumber Musk Melon This is better known as the Garden Lemon and belongs in the same class with Mango Melon. You will find both of these fine preserving vegetables listed among Melons on page 37. **Pkt 10c, oz 25c.**

Serpent or Snake A peculiar long cucumber, usually much twisted. **Pkt 5c, oz 20c.**

EGG PLANT

Vaughan's Improved New York, Large Purple Our strain of this standard variety is of the very finest type, absolutely spineless. The plants grow low, stalky and branching. They bear early and almost continuously. The fruits are large, smooth, and have a rich satiny purple color. We take particular pride in our fine even strain of this variety. **Pkt 10c, oz 30c, ¼ lb $1.00, lb $3.50.**

Black Beauty An Egg Plant from ten to twelve days earlier than New York Spineless. The fruits are broad, thick, very attractive in form and of good flavor. Its rich, lustrous purple black color adds to its attractiveness. For the Northern home garden and trucker's use, it is the most desirable kind. Not so good a yield as the Improved New York. **Pkt 10c, oz 35c, ¼ lb $1.00, lb $3.75.**

Black Pekin The fruit is round and almost black. Flesh white, solid, fine grained and delicious. Quite early and of good marketable size. **Pkt 5c, oz 35c, ¼ lb 90c, lb $3.50.**

Very Early Dwarf Purple Extremely early. Resembles the New York Improved in shape and color; however, is smaller and earlier. **Pkt 5c, oz 25c, ¼ lb 75c, lb $2.75.**

VAUGHAN'S SPECIAL

This mark before the price on a variety in this book means the following:

1st. Such seed has been grown by ourselves.

2nd. Or such seed was grown for us by a farmer whose entire crop we contract and which crop we inspect and know runs true to type.

3rd. Such seed was grown by a specialist in the particular variety and then held one year for trial ground test by us; and that such test showed the seed to be of extra quality as regards trueness to type, vigor, etc.

Such strains may be absolutely relied upon as the best in their class. We are endeavoring to meet the growing demand for the "best seed" obtainable and within a few seasons we expect to be able to offer an almost complete list of standard varieties of vegetable seeds under such a mark.

GARLIC, Selected Bavarian

KNOBLAUCH—AIL. This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. **Lb 25c, 3 lbs 65c, 5 lbs $1.00, 10 lbs $1.85. If by mail add 10c per lb for postage.** ☞ **ORDINARY GARLIC**—Write for prices.

HORSE RADISH SETS

NEW BOHEMIAN HORSE RADISH, or Maliner Kren. An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets or Roots, doz 25c postpaid, by express 50 for 50c, 100 for 85c.**

ORDINARY HORSE RADISH. Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under the soil. **100 for 70c (by mail 85c), 300 for $1.80, 500 for $3.00, 1,000 for $5.50.**

ENDIVE

ENDIVEN SALAT—CHICOREE-ENDIVE. No vegetable garden is complete without this most refreshing and delightful Autumn and Winter Salad. Sow the seed from the middle of June until the end of August.

GREEN CURLED SUMMER. This is the standard variety for both fall and winter crops. The leaves are finely divided giving the plant a mossy appearance. Makes a beautiful show when the centers are blanched. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**

GREEN CURLED WINTER—Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.

STAGHORN. This is the best Endive for early, as it does not go to seed if planted in the hot-bed and transplanted out of doors, which fact gives it an advantage of early growth and brings it into the first early market, where it is a "money maker." It has sold at from 25c to 30c per dozen in the Chicago market. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**

GIANT FRINGED, OR "OYSTER." A remarkably handsome variety; the snow white heart contrasting with the fine fringed green outside. Season, Fall and Winter. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.**

MOSS CURLED.—Tender, fine quality. **Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 35c, lb $1.10.**

BROAD LEAVED.—Leaves large, broad, slightly curled. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**

EVER WHITE CURLED.—Very crisp and tender. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.**

TO BLANCH ENDIVE

When full grown, gather the plant into a bunch, when perfectly dry, and tie together near the top; in a short time they will be perfectly blanched.

KALE, or BORECOLE

EXCELSIOR MOSS CURLED KALE

One of the best plants for greens. Well known and much planted by German-Americans, but little used by others. Besides its eating value, it is extremely ornamental in the garden. The greens are for early Fall, Winter and Spring use. Sow seed about the middle of June, and later transplant to rows from 2 to 2½ feet apart. The Dwarf can be sown later, and need not be transferred to furnish nice heads. A good frost improves the quality.

DWARF GREEN CURLED KALE. This is hardier than Cabbage. The leaves are as curly as Parsley, tender and of very fine flavor. Immense quantities of this are grown in the South and shipped to Northern markets. We have an excellent strain. **Vaughan's Extra Selected Stock. Pkts 5c, oz 10c, ¼ lb 25c, lb 80c.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. This is by all odds the best Kale in existence. The plants grow from 18 to 21 inches high and produce as many as 50 usable leaves to a plant. The leaves are very curly and in flavor are unsurpassed. **Pkt 10c, oz 20c, ¼ lb 50c, lb $2.00.**

TALL GREEN CURLED. Fine curled. **Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.**

SIBERIAN.—Sometimes called "Sprouts" and "German Greens." Not so curly as the Dwarf Green Kale. The plant is low, but spreading and very hardy. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

SEA-KALE. A vegetable long known but only recently valued through the late strong recommendation of the Department of Agriculture. It is ready for use earlier than Asparagus, has the combined flavor of Asparagus and Celery, and its blanched stalks are cooked like Asparagus, or with its leaves are used as greens. Sea-Kale comes usually from seed, but can be grown from offsets or root cuttings. The long tap root requires a rich deep soil. Plant in rows four to six feet apart. The seedlings yield a crop the third year, though reports are made of a crop the year following the seeding. As soon as shoots show above the half-frozen ground, blanch with earth, sand, boards, etc., until ready for use. **Pkt 5c, oz 30c, ¼ lb $1.00.**

KOHLRABI

Sow seed June and July Rows 18 in. apart. Thin to 1 ft.

People who have not tried this excellent vegetable in their gardens have a treat in store for themselves. The bulbs are formed above ground, and are cooked like turnips when young. They then have a much sweeter flavor than turnips.

KING OF THE EARLIES. This is an extra choice strain of white Kohlrabi, of very quick growth very tender and of excellent flavor. The leaves are short, which admits of close planting and raising in frames for early use. This is a vegetable not sufficiently known and appreciated. We enclose with orders directions how to raise and cook. **Pkt 10c, oz 25c, 2 ozs 45c, ¼ lb 75c, lb $3.00.**

EARLY WHITE VIENNA. White, tender. **Pkt 5c, oz 20c, 2 ozs 40c, ¼ lb 60c, lb $2.20.**

EARLY PURPLE VIENNA. **Pkt 5c, oz 20c, ¼ lb 60c, lb $2.20.**

SHORT TOP EARLY ERFURT.—Excellent for forcing in open ground; flesh white, very tender leaves very short. **Pkt 5c, ½ oz 15c, oz 25c, 2ozs 45c, ¼ lb 75c, lb $2.75.**

KOHL-RABI, WHITE

HERBS—Sweet, Pot and Medicinal.

SWEET MARJORAM—MAJORAN—MARJOLAINE

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an * are perennials.

ANISE Used for garnishing, seasoning and for cordials. Pkt 5c, oz 10c, lb 80c.

***BALM** Used for making Balm wine and tea. Pkt 5c, oz 20c.

BASIL, Sweet The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt 5c, oz 15c, lb $1.35.

BENE The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. Pkt 5c, oz 15c.

BOHNENKRAUT See Summer Savory.

BORAGE Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt 5c, oz 15c, ¼ lb 40c.

BORAGE—GURKENKRAUT—BOURRACHE.

ROSEMARY.

CARAWAY Seeds are used for flavoring bread, pastry, meats, etc. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

CATNIP or Catmint Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt 10c, oz 30c.

CHAMOMILE (Matricaria Chamomile) The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. Pkt 10c, ¼ oz 25c.

***CHIVES.** Used for seasoning. Plants, per clump, 10c; doz., $1.00. By mail, add 5c per clump for postage. Seed, pkt., 10c; ½ oz., 30c; oz., 60c.

CORIANDER. The seeds are used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10; ¼ lb., 20c; lb., 60c.

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 25c.

FENNEL FLORENCE. An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

***HENBANE.** The growing plants are supposed to absorb malaria. Pkt., 5c; oz., 25c.

***HOP SEED.** Pkt., 15c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 5c; oz., 15c.

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 5c; oz., 15c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

LAVENDER TRUE (Lavendula vera). The best. Pkt., 10c; oz., 35c; lb., $3.50.

Lavendula spica. Not quite so strong. Pkt., 5c; oz., 10c; lb., $1.00.

LAVENDER PLANTS. Give much better results than seed. First size, 15c each; 3 for 40c; doz., $1.25; 2nd size, 25c each; doz., $2.00, postpaid.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.

***MINT, Old Fashioned.** For mint sauce and julips. Plants 1 yr. old, 10c each; doz., $1.00 postpaid. Plants 2 yrs. old, 20c each; doz., $2.00 postpaid. Large plants (by express), 50c each; doz., $4.00.

PENNYROYAL. Leaves are used for seasoning puddings and various dishes. Pkt., 10c.

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. 25 seeds, 10c; 100 seeds, 30c; 500 seeds for $1.25.

PIMPINELLA (Burnett.) The young tender leaves are used as salad; they have a flavor resembling that of cucumbers. Pkt., 5c; oz., 15c.

ROSEMARY. The leaves are used for seasoning. Pkt., 5c; oz., 35c.

***RUE.** For medical purposes; good for fowls for the croup. Pkt., 5c.; oz., 15c.

SAFFRON. Used for coloring certain dishes, also flavoring. Pkt., 5c; oz., 10c; ¼ lb., 30c.

SAGE, Holt's Mammoth. The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 2 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. Price, each, 15c, 3 for 25c, 7 for 50c, 15 plants for $1.00 by mail, postpaid.

SAGE Leaves and tops are used for seasoning and stuffing. Pkt 5c, oz 15c, lb $1.50.

SUMMER SAVORY The leaves and young shoots are used for flavoring, especially for boiled string beans. Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

TAGETES LUCIDA. This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 5c; ½ oz., 25c.

***TARRAGON (Artemisea dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. The flavor thus added is much liked. A hardy perennial. Plants only. First size, 15c each; doz., $1.00; 2nd size, 25c each; doz., $2.50, postpaid.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 5c; ½ oz., 15c; oz., 30c; lb., $3.50.

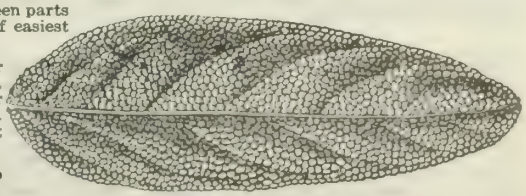
FLORENCE FENNEL.

WALDMEISTER (Asperula Odorata) Used in May Wine and also for scenting clothes. Pkt 10c.

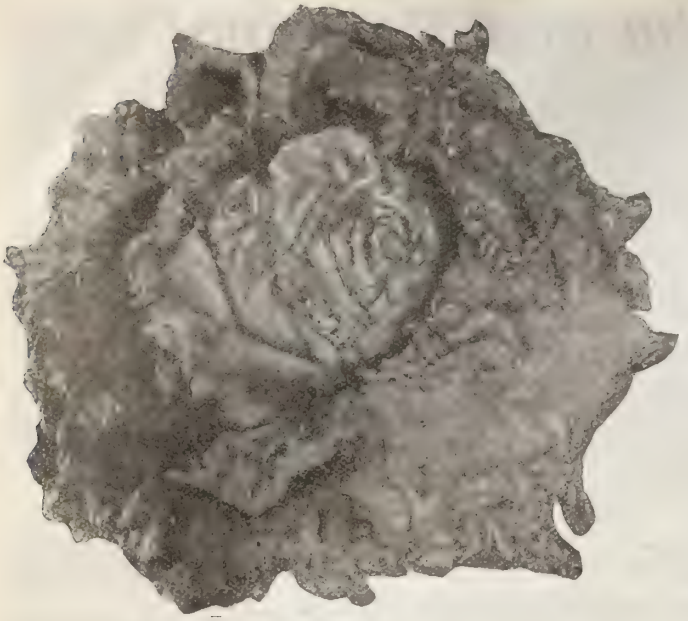
***WORMWOOD** Beneficial for poultry; should be planted in poultry yards. Pkt 5c, oz 20c, ¼ lb 60c, lb $2.20.

LAVENDER—LAVENDEL—LAVENDE.

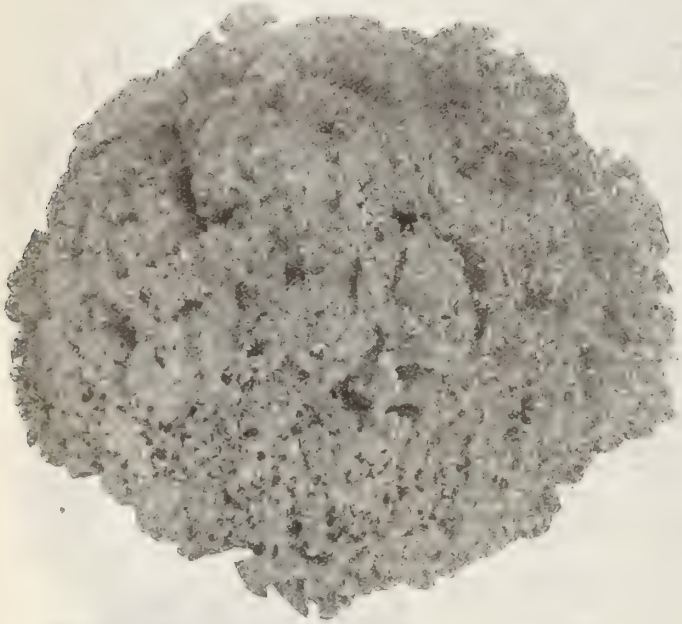
SUMMER SAVORY-BOHNENKRAUT-SARRIETTE



HOLT'S MAMMOTH SAGE.
Plants Only.



BLACK SEEDED SIMPSON. *Most Desirable for the Amateur's Garden.*



GRAND RAPIDS.

Early Prize Head. For many years the most popular of the large loose headed sorts. The leaves are finely crimped and fringed, the outer sides being somewhat shaded with brown. Exceedingly crisp, sweet and tender. Excellent for the home garden. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

Early Curled Silesia. It is the old favorite, dwarf, compact habit, and thick growth. The crisp golden leaves have finely curved edges. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

Early Curled Simpson. White seeded. One of the best of the leaf lettuces. Quite similar to Early Curled Silesia. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

The Morse. A careful selection from the Black Seeded Simpson by a seed grower of large experience. A very desirable strain of this type of lettuce for growing under glass. Leaves are beautifully wrinkled, and of a bright green color. In quality, the very best of the loose leaved sorts. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.**

EARLY HEAD LETTUCE. *May King.*

A desirable, very early head lettuce has long been sought. This new variety meets the requirements. Growth rapid—so rapid it is ready far ahead of other heading sorts. Heads medium sized with outer leaves folding close to the head, thus permitting close planting for frame work; color fine, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow; quality excellent, leaves being exceedingly tender. **Pkt 5c, ½ oz 10c, ¼ lb 35c, lb $1.25.**

CULTURE—See "Vaughan's Vegetable Garden," a copy of which is free to buyers of Vaughans Seeds.—Ask for it.

LETTUCE. | CURLED OR LOOSE LEAVED SORTS.

Two ounces of seed to 100 yards of row, 4 pounds to the acre, 40 to 50 days from seed to maturity.

We not only have grown for us special stocks of Lettuce for gardeners, but also make special trials and selections in our own fields at Western Springs, Ill.

BLACK SEEDED SIMPSON.

Vaughan's Selected Stock. This is by far the most popular of all Lettuces in those localities where leaf lettuce is grown. For the amateur gardener who does not transplant nor thin his crop and therefore has no success with head lettuce, this is the best sort. It grows a large leaf of ideal green color, the inner leaves forming a loose head. The leaves are quite thin, very tender, crisp, and of fine quality. It is the most desirable all-around lettuce. Good under glass, and excellent for frames or early planting. Moreover, during the summer it withstands the heat as well as any other sort. It is largely planted, and is the best, outdoor leaf lettuce for market gardeners.

Our strain is a very fine one; all our stock seed being saved each year from extra selected plants.

Vaughan's Select Stock: **Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.25.**

Black Seeded Simpson, very choice: **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.**

GRAND RAPIDS LETTUCE.

For Winter forcing in Greenhouse there is no variety that produces such results as the Grand Rapids. It is a leaf lettuce; the leaves are very finely curled, and are of very handsome appearance. In habit, it is a strong grower, and will keep from wilting longer while exposed for sale than any other variety. Its upright habit admits of very close planting in Greenhouse, and in the garden. One of the very best leaf lettuces for outdoor use. Our selected stock has been especially grown for greenhouse use, and runs wonderfully even and true to type.

Vaughan's Extra Selected Stock: **Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.25; 5 lbs., $5.50.**

Ordinary stock: **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c; 5 lbs., $3.25.**

Tilton's White Star. A distinct variety of the Black Seeded Simpson type, which grows larger and more rapidly. Its leaves are broader, thicker, darker and a little less frilled at the edges. Forms a large loose head, blanches well, and is of good quality. A desirable sort for outdoor use, as it is slow running to seed. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.**

Denver Market Forcing. An early variety of loose headed type, either for forcing or open ground. Forms good sized heads of light green color. Leaves are handsomely marked and blister similar to a Savoy cabbage. Very crisp and tender. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

LEEK—LAUCH PORREE.

Large Musselburg Enormous size, leaves large and broad, mild, pleasant flavor. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

Bulgarian Winter This is one of the most desirable of Leeks, being extremely hardy and of enormous size, the stock being tender up to a height of 15 in. **Pkt 10c, ½ oz 15c, oz 30c, 2 ozs 50c.**

Broad Scotch or London Flag Hardy. A large, strong plant with broad leaves. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

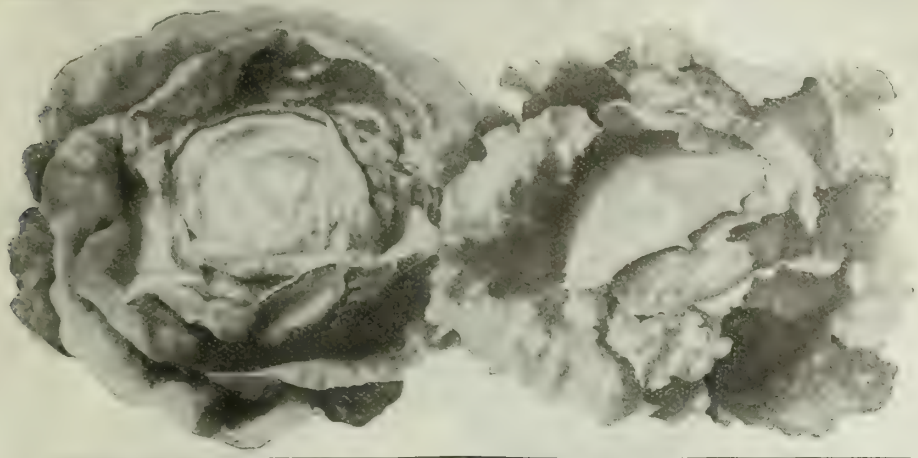
Rouen, Very Large Winter Large and excellent, enormous in size, best of all. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

Long Mezieres One of the most desirable of the Leek varieties. Has broad, vigorous, erect leaves, and long, good-sized stem, of snowy-white color, and best flavor. It is very hardy. For market garden use is unsurpassed. **Pkt 10c, oz 30c, ¼ lb 70c, lb $2.60.**

LARGE MUSSELBURG

Field and Greenhouse Trials for Germination and Purity are Made of All Our Lettuce Seed

CABBAGE or HEAD LETTUCE



Vaughan's All Seasons Lettuce A distinct sure heading variety for all seasons. Heavy thick leaves, buttery and of delicious flavor.

Improved Hanson A heat resisting curled leaved lettuce for mid-summer planting. Crumpled leaves, crisp and tender, inside portions being almost white.

Vaughan's All Seasons

When we introduced this distinct mid-season variety in 1897, it at once jumped into great popularity and is today unsurpassed as a head lettuce for general home and market garden use in Northern climates. Around Chicago it is the most popular of all the head lettuces. Its features are large, handsome, extremely solid head, almost as large as a Flat Dutch Cabbage; color, a light grayish green, never spotted nor brownish; leaves broad and the head being large, the inner leaves are beautifully blanched; very slow to run to seed; sure heading; and the quality excellent, decidedly buttery with thick leaves of much substance. Chicago gardeners find our introducer's selected seed far superior to that offered by other seedsmen. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.25.**

EXPRESS COS LETTUCE

COS LETTUCE

These Lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. Very crisp and sweet.

EXPRESS COS. The most dwarf and earliest of all. Delicious flavor. Self closing. **Pkt 10c, oz 15c, ¼ lb 50c, lb $1.50.**

PARIS WHITE COS. Grows to large size. Self-closing. **Pkt 5c, oz 10c, ¼ lb 40c, lb $1.10.**

TRIANON COS. Similar to above, but grows whiter and matures earlier. **Pkt 5c, oz 10c, ¼ lb 40c, lb $1.10.**

BLONDE BEAUTY

We consider this a most splendid sort, and worthy a trial in every garden. It resists the heat to a remarkable degree and is also an excellent keeper after being cut; is tender, sweet, crisp and juicy. It is a distinct sort, recommended for shipping and the home garden. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.10.**

CALIFORNIA CREAM BUTTER

This is one of the best of the Summer varieties of Head Lettuce. The heads are of good size, and are so very solid they often have to be cut before the seed stalk can appear. They are crisp, have a rich, buttery flavor and are an ornament to the table. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

ST. LOUIS BUTTER HEAD

This fine sort attracted the attention of many visitors at St. Louis during the recent fair. It has been a local variety there for a number of years, one of the local market growers growing a special strain, which has attained high popularity. The head is large and solid as a cabbage with beautiful, crumpled, yellow inside leaves of the finest quality. Since its introduction in other markets it has had a large demand. Our Chicago gardener customers plant a large acreage of this variety. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

OTHER GOOD SORTS

Price; Any of the following, Pkt 5c, oz 10c.

BROWN DUTCH. The standard early brown sort. **¼ lb 30c, lb 90c;**

BUTTERCUP. The lightest green and most yellow of all sorts. Excellent quality. **¼ lb 30c, lb 90c.**

FORCING MILLY. A very early variety. **¼ lb 25c, lb 85c.**

GIANT CRYSTAL HEAD. White and solid, extra quality. **¼ lb 30c, lb $1.00.**

GIANT GLACIER. The largest of head lettuces. **¼ lb 30c, lb $1.00.**

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. **¼ lb 30c, lb 90c.**

NEW YORK. Very white leaves. Large. **¼ lb 30c. lb $1.00.**

SALAMANDER. In all seasons, good, standard lettuce. **¼ lb 30c, lb 90c.**

TENNIS BALL. Black seeded. One of the best standard, all purpose varieties. **¼ lb 30c. lb 90c.**

TENNIS BALL. (Boston Market). White Seeded. A good forcing sort. **¼lb 50c; lb 90c.**

WHITE SUMMER CABBAGE. A very hardy all round green leading variety. **¼ lb 30c, lb 90c.**

Improved HANSON

This standard variety is the most planted of all head lettuce. It is a well known and well tried sort and its merits have been proven on all markets. One of its popular characteristics is the wonderful heat and drought resisting quality, when used for outdoor summer planting.

It forms very large firm heads, with broad leaves, beautifully curled and crinkled and exceedingly tender and sweet. The outside leaves are shining green and the inside ones almost white, formed into a compact, hard globe shaped head. For all sections the Improved Hanson is fine for market and in the home garden. In the Central States where there is a great deal of hot summer sun it is the best. A sure header and reliable it will always be a favorite. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

PERPIGNAN, or Defiance

Is unequaled for long standing. One of the finest new varieties of Head Lettuce, which stands the summer heat better than most others. It forms very large, solid heads, so firm that they have to be cut open to allow the flower shoots to come through. **Pkt 5c, oz 10c, ¼ lb 30c. lb 90c.**

DEACON

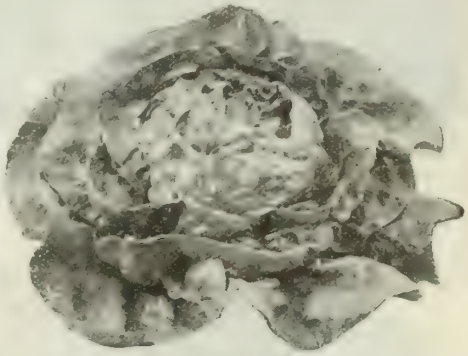
Is a large solid, most satisfactory variety, in the family garden or for market. Growing to large size, it is later than most of the other varieties, but is the **most sure-heading of any large buttery variety.** The interior of the head blanches to a beautiful golden yellow, and is of a rich buttery flavor. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

MAXIMUM, or Immensity

A wonderful heat resisting new Lettuce, remaining a long time, even in the hottest weather, without going to seed. It is green outside and yellow in the center. It is one of the largest and most solid of Head Lettuces and its quality is of the best. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

ICEBERG

An extremely hard heading variety. Leaves have small indents. Good for home and market. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**



BIG BOSTON

BIG BOSTON, Vaughan's Selected Stock

The best large heading early variety. The most popular variety for the Southern gardener who ships North. Also very valuable as first early in the North. Plants are large, vigorous; leaves are bright light green, very tender. Our strain is unsurpassed. Many gardeners in the South will plant only Vaughan's Big Boston. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb $1.25.**

UNRIVALED

A light green strain of Big Boston. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.25.**

MUSKMELONS

VAUGHAN'S ORIGINAL OSAGE

When all has been said about muskmelons, the fact remains that the Osage Melon is today the best general purpose, high quality variety in existence. It is especially good on heavy soils and where other sorts, like Rocky Ford, produce inferior, poor quality specimens. Under the same conditions the Osage will average 100 per cent better crop and quality. In sandy locations Osage is equally good.

This variety was first sent out by Vaughan's Seed Store, and we have taken particular care to keep up its quality, our select seed costing us many times the ordinary seed growing price. The fact that Vaughan's Original Osage is the best in the market is evidenced by the many stock seed orders we receive from seed growers of this variety and the scores of gardeners who re-order the strain each year.

The Osage is a melon with salmon flesh of a peculiar cheeselike texture. The melon holds its good flavor in nearly all its fruits much better than most kinds. That is, a well grown Osage Melon is seldom poor in quality while many Gems, Rocky Fords and other types are found flat and insipid when cut, although the melons themselves appear to be all right. In size the fruits are large, usually three times the size of the ordinary Netted Gem (Rocky Ford). Our type has a rather dark skin and moderately netted, as shown in illustration. The flesh is thick and of superb flavor.

Price: Selected Stock Seed, Pkt 10c, ½ oz 15c, oz 25c, 2 ozs 45c, ¼ lb 75c, lb $2.60.

Regular Stock Seed, Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.35.

VAUGHAN'S ORIGINAL OSAGE

VAUGHAN'S PAUL ROSE OR PETOSKEY

The Paul Rose Muskmelon produces the highest percentage of high quality table melons of the basket varieties. This variety is a cross between the Osage and Netted Gem, combining the flesh color and peculiar quality of the Osage with the smaller size and better netted skin of the Gem. The flavor is distinctly its own. In season the Paul Rose ripens ten days earlier than the Osage. The netting and shape, in which features it resembles the Rocky Ford, make it a perfect basket melon, and it does not break down in shipping. We are the introducers of this melon and it is another of the Vaughan Specialties.

Price: Selected Stock Seed, Pkt 10c, oz 25c, 2 ozs 40c, ¼ lb 75c, lb $2.60.

Regular Stock, Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.

SPECIAL SHIPPING OSAGE This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Michigan Seed: Pkt 10c, oz 20c, ¼ lb 45c, lb $1.60.

TIP TOP **Selected Stock.** A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. A strong grower, heavy yielder and of handsome appearance.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.

VAUGHAN'S HOODOO MELON (Introducer's Strain.) "As like as Peas in a pod." Read full description in novelty pages in the front of this book. The finest of the Gem type of salmon fleshed melons and just right in size to ship, and to serve, cut in two. The sweetness and flavor are the highest, nearly every fruit being of uniform fine quality, productive and early.

Select Stock: Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 70c, lb $2.50.

Regular Stock: Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.

In no other market crop is the general public so confined in use to particular local varieties. We are always glad to furnish our customers any information of benefit which we may have derived from our thirty years of experience.

VAUGHAN'S IMPROVED MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal. **Pkt 10c, oz 25c, ¼ lb 75c, lb $2.50.**

MILWAUKEE MARKET

FORCING MELONS

Highest Table Quality; Suited for Greenhouse Growing

Emerald Gem Forcing. Salmon flesh, early, uniform. **Pkt 15c.**

A1. Superb. Scarlet flesh. Crop failed.

Best of All. Green flesh.

Blenheim Orange. Scarlet flesh.

Diamond Jubilee. Green flesh.

Invincible Scarlet. Scarlet flesh.

Royal Sovereign. White flesh.

Prices of above, except where noted, each, pkt 25c.

TIP TOP MUSKMELON

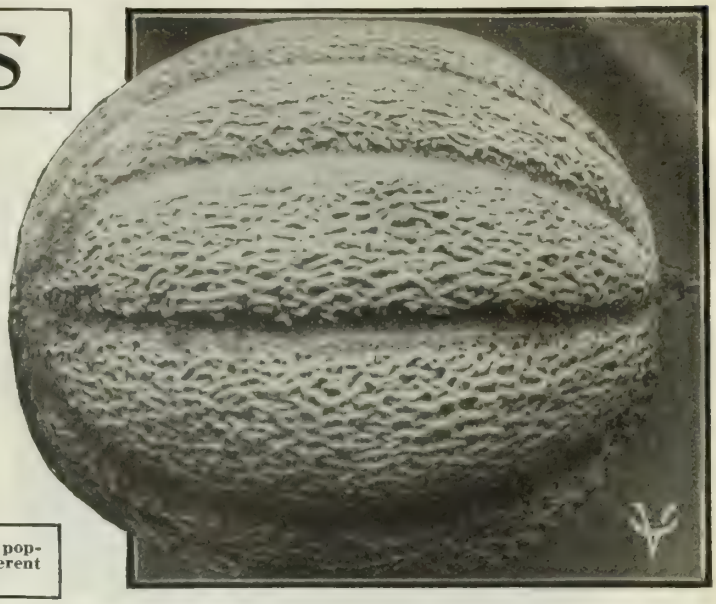
MUSKMELONS

NETTED GEM, ROCKY FORD—Selected Stock

The select Rocky Ford Seed which we offer is grown in the Rocky Ford, Colorado, district by a grower who raises seed only and who we know does not ship his marketable melons, saving the culls for seed, as do many of the so-called seed growers in that region. We offer two grades: Select, which is saved from specimen, marketable melons only, and the Regular, saved from a field raised for seed purposes only, where only the off-type vines have been discarded. This melon is too well known to need much description. The ideal type has a small seed cavity, thick, luscious flesh, high flavor, and can be eaten almost to the rind. Flesh is green in color except a tinge of yellow at the center. Netting should be heavy.

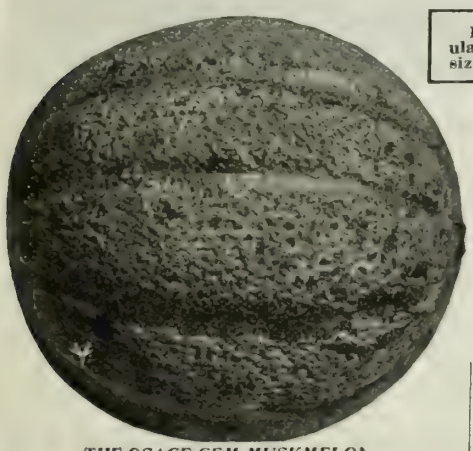
VAUGHAN'S SELECTED STOCK. (From best melons.) **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.75.**

REGULAR FIRST GRADE SEED. These seeds are saved from a field in which only seed Melons are grown. Very dependable. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**



NETTED GEM—ROCKY FORD

Below follows a list of popular Gem Melons of different sizes and shapes.



THE OSAGE GEM MUSKMELON

VAUGHAN'S OSAGE GEM

The salmon-fleshed Osage Gem melon was first introduced by us. No other variety has been so much renamed as has this one. In the Rocky Ford district where this melon now is as much in favor as the green-fleshed variety, it is generally recognized by its right name. The regular seed trade all list it, however, under various new names and descriptions. The outside appearance is like the Rocky Ford Gem and it has salmon flesh of the highest quality in both sweetness and flavor.

Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.

Vaughan's Chicago Market This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.

Champion Market The flesh is thick, light green in color and of very rich, sweet flavor. It is as early as the Netted Gem, which it resembles in shape and appearance, but is fully three times larger; very prolific and a good shipper.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

JENNY LIND

Oval Netted Gem This is the old style Gem which was in such favor before the appearance of the New Rocky Ford types. This melon often meets the Eastern conditions better than does the Rocky Ford grown seed. **Pkt 5c, oz 10c, ¼ lb 35c, lb 90c.**

Benton Harbor Gem This is a selection of the Eastern Oval Netted Gem, made by a veteran grower in the Michigan melon district. Select Seed. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25, 5 lbs $5.00.**

Round Gem A round selection of the netted Gem. In some sections this type is still popular. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

EMERALD GEM

One of the very sweetest of melons. The skin is smooth and of deep emerald color. Flesh is very thick and of a delicate salmon color. The vines bear early and are very prolific. For a home-garden melon this is one of the very best on account of its superb quality. It is not a good shipper, on account of its thin rind. Our seed is of the very best, selected from finest and sweetest melons only.

Pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.25.

EMERALD GEM

Jenny Lind Vaughan's Selected Stock. This Melon is unexcelled in eating qualities. The rind is thicker on the ends than in the old variety, so that it does not "break down" easily in shipping, and yet it retains the flattened ends which by many is considered as giving good appearance and also permits compact placing in baskets or crates.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

OTHER GOOD SORTS

THE SYRACUSE. The largest superior quality melon. Specimens weigh 6 to 9 lbs Skin grayish green, flesh light green.
Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality
Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

BANANA. Cucumber shape. Delicious odor Rather late maturing.
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.

EXTRA EARLY NUTMEG. Nutmeg shape. Very early; green flesh.
Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

SWEET-AIR—New Cantaloupe

This is a large green fleshed gem melon, very uniform in size, which has, in the past few years, become the popular variety around Washington, Baltimore and Philadelphia. In that region Sweet-Air produces a melon of superior flavor and sweetness and commands the highest market price in preference to all other varieties.

The melons are oval in shape, five to six inches across, and seven to eight inches long. The netting is good and as a crate variety it will stand long distance shipments. The flesh is thick, dark green in color with a light pink near the center. The vines are vigorous and withstand blight much better than other Gem sorts, remaining green until the fruits are fully ripened.

Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00.

MANGO MELON—Vegetable Peach

Of golden yellow color, resembling an orange in shape and size, the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving they have no equal. Packet has cooking directions. **Large pkt 10c, 3 for 25c.**

Garden Lemon Fruits short, nearly round, with yellow and green markings, skin smooth, flesh exceedingly tender and of sweet melon flavor. Best when just turning yellow. Makes good preserves.

Pkt 10c, 2 for 15c, oz 25c.

Extra Early HACKENSACK This is a selection of the old Hackensack, which it resembles, but it is fully ten days earlier. The melons weigh from 4 to 10 lbs. and are of excellent flavor. Those who grow for market should remember that it is one of the best, as well as the earliest, hardiest and most prolific of Netted Musk Melons.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

HACKENSACK (same type as above). The late strain of this variety.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

EXTRA EARLY HACKENSACK

WATERMELON

For the home market in the Northern States we have, for many seasons, supplied "Cole's Early," an excellent strain as herein described. The all important requisite, however, is lacking in this variety, namely shipping quality. Now we offer a long shaped melon, "Tom Watson," a splendid shipper, the best of the long varieties. In the warmer states, "Black Diamond," "Kolb's Gem," "Sweetheart," "Triumph" and "Alabama Sweets" are popular varieties. See descriptions.

COLE'S EARLY — *The Best Early Watermelon*

COLE'S EARLY—Early and Very Sweet

"Coles Early" Watermelon has made friends with an extensive number of growers in the Northern States, the section in which it is particularly at home. Of the early sorts, we know of no superior to this splendid variety; its single drawback is that it is not well equipped for distant shipping. For quality and productivity, however, it is superb, and it is early and very sweet. The vines are vigorous and productive; the yield comparing very favorably with the late varieties. The melons are of medium size; flesh a fine red color; eating quality excellent, crisp, melting and sweet. The rind being thin and brittle interferes with shipping to very distant markets; but for the home market or garden it is undoubtedly a splendid variety and well entitled to the popular appreciation which has been given to it. Our seed is northern grown and has been carefully selected each year. It gives us great pleasure to offer this finely selected seed at the following prices:

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c; by express, 5 lbs $2.85, 10 lbs $5.25.

KLECKLEY SWEETS—"Sweetest of All"

There is no melon superior in quality to a good strain of Kleckley Sweets. The bright scarlet flesh is the ideal of Watermelon quality, firm, crisp, entirely free from stringiness or cotton and "sweet as sugar." We think by growing our seed in the north we have increased the earliness of the variety over the usual Texas or Florida grown stock and "Kleckley" is now with us only a few days later than Cole's Early.

VAUGHAN'S SPECIAL

The melon is oblong in shape, about twenty inches in length by ten to twelve inches in diameter. The skin is a rich dark green; the rind is thin and brittle and for this reason the melon is a poor shipper. (Identical with Monte Cristo.) For the home garden and local market it should always be given a place.

Pkt 5c, oz 10c, ¼ lb 25c, lb 80c; by express, 5 lbs $3.25.

WINTER WATERMELON

As the name indicates, this melon is a **winter variety.** The firmness of the flesh causes it to be the longest keeper of the watermelon family. Put into a cool place it will keep long into the winter without losing its delicious sweetness or exquisite flavor. This melon is early (earlier than "Sweetheart") and is a very prolific bearer. The flesh is red and extremely firm, in fact, almost as hard as a citron—very brittle and deliciously sweet.

This melon is round shaped and the skin is a very light green, almost white. We offer this strain, feeling confident that it will give entire satisfaction, to growers who desire an excellent quality winter melon. **Pkt 10c, ½ oz 15c, oz 20c, 2 oz 35c, ¼ lb 50c, lb $1.50, postpaid.**

NEW CHILIAN

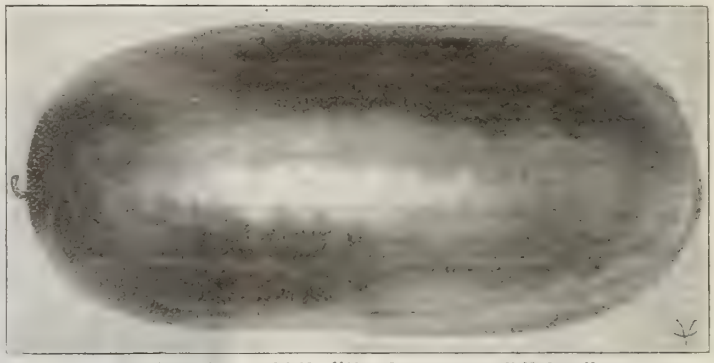
Although a new variety it has already attained considerable popularity and will undoubtedly rank high when it has received a more general distribution. This is a very desirable melon for the home garden and also as a shipper. It is a splendid variety for Southern climate. It is very attractive, of medium size, nearly round, the skin a deep rich green, faintly mottled and striped, the stripes being of lighter shades. The quality of this melon is not surpassed by any other; the flesh is fine grained, remarkably firm, very sweet and of excellent flavor. The flesh is a very bright red-vermillion. This is a good keeping variety; seed is white. **Pkt 10c, oz 15c, ¼ lb 50c.**

Alabama Sweet A great Southern favorite, where it grows to perfection, and is exceedingly popular, because, amongst its other fine qualities, it is an excellent shipper. The rind is a dark-green color, irregularly striped, oblong in form, flesh bright red, and of delicious flavor and sweetness. The seed is white, and our strain is especially fine. **Pkt 5c, oz 10c, lb 75c, 5 lbs $2.85.**

TOM WATSON

In the short period of four seasons this standard of melon excellence has become immensely popular. Typical fruits of this variety reach a size of twenty-four inches in length and twelve inches in diameter. The rind is dark-mottled-green, thin, but tough enough to endure shipping to very distant markets. Of the long shaped melons it is the best shipper. The flesh is deep red and comes very close—about ¾ of an inch—to the rind. The exquisite deliciousness of flavor possessed by the fine quality flesh of this melon places it in the very front rank of melon excellence. It is crisp and melting, and in all respects just what critical melon lovers would exact. On some markets the past season it sold readily while old style melons were absolutely neglected. For the home or market garden, or for shipping, it is a money maker for the growers. Our strain of this is not surpassed in the market. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00, 5 lbs $4.50.**

TOM WATSON—Best of Shippers, of Long Sorts



KLECKLEY SWEETS—"The Sweetest of all Melons"

STANDARD VARIETIES

We can supply any of the following at the uniform price (except where noted) of: **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c postpaid.**

Colorado Citron and Red Seeded Citron—Two melons used for preserving only. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**
Cuban Queen—One of the best late melons. Very large. **Pkt 5c, oz 10c ¼ lb 25c, lb 75c.**
Duke Jones—A round large shipping melon of fair quality.
Florida Favorite—A medium sized long striped variety.
Grey Monarch—Oblong; color of skin very light green.
Iceberg—Similar to Kolb's Gem; darker.
Ice Cream or Peerless—Early fine quality home melon.
Icing, Dark—A very solid dark colored shipping sort.
Icing, Long White—An early long slender; quality, variety.
June Jumbo—An old favorite; large sort.
Kolb's Gem, Improved—A standard market shipping melon.
Mountain Sweet—Sweet, oblong shape; thin rind.
Phinney's Improved—An early medium sized oblong melon.
Rattlesnake or Gypsy Striped—An oblong melon, striped and mottled; very sweet; popular South.
The Dixie—Old standard second early, good shipping variety.
Triumph—A very dark large shipping melon.

COMMERCIAL MUSHROOM GROWING

The ever increasing demand for this delicacy for hotels, restaurants and home table has resulted in the establishment of many commercial Mushroom growers. High prices and unsupplied markets offer a very profitable field. The prospective grower should realize, however, that success in growing mushrooms for market is attained only with a minute and technical knowledge of many details and should not be entered into on a large scale without a thorough understanding of these points and some practical experience. There is no secret process of growing. The details in growing Mushrooms, however, are very important, more so, perhaps, than for any other vegetable crop, and while even a beginner can obtain good results, to compete with old and experienced growers on the market, the maximum returns with the least possible cost is essential to financial success.

We invite inquiries from those who consider going into this line.

AMATEUR GROWING OF MUSHROOMS

Many amateur gardeners are now raising Mushrooms successfully. Excellent results are not hard to obtain where a bed may be made in the basement or cellar, barn, woodshed, or outbuildings (water tight) and an even temperature of 55 to 65 degrees Fahrenheit maintained during the colder months.

With an order for Spawn we give, when asked, a free book "How to Grow Mushrooms." People who follow carefully the simple instructions given in this book should have no difficulty in raising a crop. When success does not result the first time, a second trial almost without exception gives a good yield.

We supply many of the largest commercial growers in the United States and we have on hand at all times in the season fresh spawn of the best manufacture.

AMERICAN MADE PURE CULTURE MUSHROOM SPAWN

This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long shipment; the growth of American Spawn is therefore quicker and stronger than the imported. We receive monthly shipments from our manufacturer, The American Spawn Co. (Lambert), so that our Spawn is always fresh and strong.

We carry the pure white, brown, and cream brown varieties; known also under manufacturer's number and as Alaska, Columbian, Holland, and Bohemia.

Price—Direct Bricks, inoculated direct from Pure Cultures. Brick 40c, 5 bricks $1.75 postpaid, by express 10 bricks $2.00, 25 bricks $4.25, 100 bricks $15.00.

Standard Bricks, inoculated from Direct Bricks. Brick 35c, 5 bricks $1.40 postpaid, by express 10 bricks $1.85, 25 bricks $3.75, 100 bricks $12.00.

ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Milltrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one else in the United States, and we receive fresh importations eight to ten times each year. Commercially it is more planted than any other spawn. It comes in pressed bricks weighing almost 20 ounces. They are broken into pieces the size of a walnut and put sidewise in the beds eight inches apart each way. **Prices, per brick 25c, 5 for $1.00, postpaid. By express or freight, per brick 15c, two for 25c, 8 bricks $1.00, 25 lbs $2.00, 100 lbs $6.50; if shipped from New York $6.00.** Special prices on ½ ton lots and upward.

French Mushroom Spawn planted for growing Button Mushrooms **Price, per 2 lb box, 75c; if sent by mail $1.20.**

MUSHROOM CULTURE. How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, **50c**, postpaid.

MUSHROOMS. By W. Falconer. The best American book. Postpaid, **$1.00.**

OKRA—White Velvet

MARTYNIA—For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. **Pkt 10c, ½ oz 20c, oz 35c.**

MUSTARD

The leaves make a salad or may be boiled like Spinach.

Chinese or Giant Southern Curled

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach.

Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.

White Best for general use. **Oz 5c, ¼ lb 15c, lb 40c.**

Brown Stronger than above. Price same as white.

OKRA—Or GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

White Velvet Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

Dwarf Grows low but stocky and is very productive. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

Tall or Perkins' Mammoth The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

The popularity of Pure Culture Spawn is increasing rapidly and many of the [illegible] commercial growers are now using this [illegible] they formerly planted the English [illegible] claim it is a surer crop. Amateu[illegible] much the best results with this k[illegible] Pure Culture. 3-page booklet, free with or[illegible] of over two dollars.

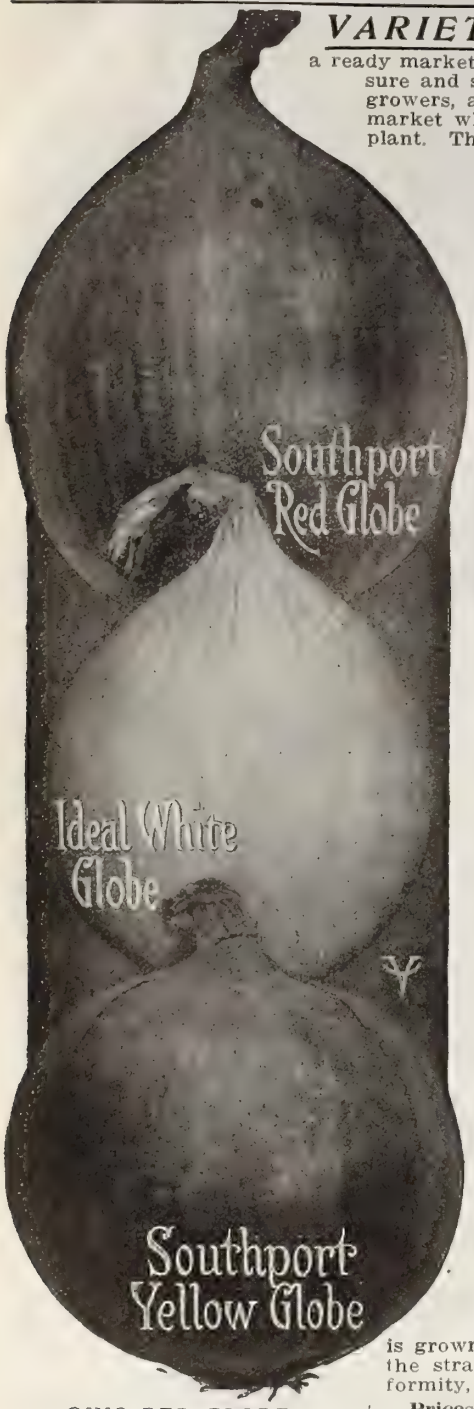
Oskaloosa, Iowa.—Last year we had an exceedingly heavy crop from Pure Culture Spawn purchased from you.

Kemble Floral Co

"MUSHROOMS. How to Grow," pu[illegible] by Vaughan's Seed Store. A 12-page book[illegible] 10c postpaid. Free with a mushroom order if requested.

VAUGHAN'S PEDIGREE ONION SEED

Globe Varieties



VARIETIES

No vegetable ranks higher in general favor than onions. Used in many different ways in the preparation of healthful, toothsome culinary dishes, a ready market is always awaiting the arrival of the season's new crop of Onions. With a large, sure and steady demand for this staple vegetable it makes a strong appeal for the attention of growers, as a safe crop for profit making. Prospective Onion growers should first consult the market where they expect to sell their crop before deciding upon the variety or varieties to plant. This is vital to their success, as the demands of communities differ in different localities, some varieties selling well in one place while in another other kinds are in greater demand.

As a general proposition we say Globe Shaped Onions are the most popular because of their fine appearance as well as quality. Growers like them for they grow larger and yield better than flat onions.

Flat onions, however, mature earlier, a great advantage in some sections where seasons are not long.

The larger onions like "Ailsa Craig" and "Prizetaker" take a long season to mature, and the best results are usually had by starting early in hot-bed or cold frames and transplanting to a rich soil.

GLOBE ONIONS

Of the Globe Onions, Vaughan's Ideal White Globe for white; Apple-shaped Red, and Southport Red Globe, for red; and Ohio Yellow Globe, Fancy Globe Danvers and Southport Yellow Globe, for yellow, are ideal of their kind, and most critical planters can rely upon our seed.

THE SEASON

To those contemplating putting in an onion crop, we suggest the advisability of placing orders for seed immediately, because large Onion seed is very scarce and the demand is increasing. This means higher seed prices to those who hold back their orders until the planting season is upon them. We have regular customers who look to us for their annual supply of onion seed, and as we would not want to disappoint them we have kept a supply, although at this writing we have offers for every ounce we have. Orders should be sent to us early to secure a supply of the globe varieties.

SOUTHPORT YELLOW GLOBE

A main crop, late, large, round onion. It is sure to satisfy the one who buys a packet or the one who sows 50 lbs for carload shipment. Truly a grand onion whose large, golden yellow spheres make a beautiful appearance, sacked or barreled for the market. Finest of all yellow onions for keeping. Our eastern grown seed is from a grower of twenty-five years' experience who makes a specialty of this variety. There is no better. **Prices: Eastern Seed, Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00, postpaid; by express, 5 lbs $9.00, 10 lbs $17.50.**

Prices: Western Seed, Pkt 5c, oz 15c, ¼ lb 50c, lb $1.60, postpaid; by express, 5 lbs $7.25, 10 lbs $14.00.

SOUTHPORT WHITE GLOBE

"Ideal White Globe" is indeed a most beautiful type of this variety of onions. **Our Genuine Eastern Grown Stock** is of the true globe form; pure white, small necked, hard, ripening very early and evenly, a good keeper. We supply the largest market gardeners in Chicago and the West. No market gardener or onion grower can afford to plant inferior seed with merely low cost to recommend it. Low **first cost** usually means dear **last cost.** Our seed is first class and gives **only** first-class results. This seed will make your acres and your labor profitable. **Prices: Eastern Seed, pkt 10c, ½ oz 15c, oz 25c, 2 ozs 45c, ¼ lb 80c, lb $2.85, postpaid.**

Prices: Western Seed, pkt 10c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.45, postpaid. By express, 5 lbs $11.50, 10 lbs $22.50.

Don't Forget Seed Is Scarce

OHIO YELLOW GLOBE

Fine shaped, fine colored, large cropper, yellow Onion. This is an extra fine selection of best colored and heaviest yielding bulbs. Compared with the old type "Yellow Globe Danvers" it is earlier, has smaller neck, is of perfect globe shape, uniform in size and color; is entirely distinct. Its small neck and solid flesh make it a fine keeper. Crops yielding over 1,000 bushels to the acre have been raised from this seed. Among seed growers this particular strain of Yellow Globe is a tremendous favorite. Our seed is grown in Ohio by the most famous grower of the strain and is especially selected for its uniformity, which is remarkable.

Prices: Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00, postpaid. By express, 5 lbs $9.00, 10 lbs $17.50.

SOUTHPORT BLOOD-RED GLOBE

Our Blood Red Globe is a beautiful crimson color, and better seed of this variety cannot be found. The spheres are of immense size, very solid and firm, qualities which make it a splendid seller and good keeper. Yield, 800 to 1,000 bushels. Our seed grower is a specialist who grows under our direct supervision.

Prices: Eastern Seed, pkt 10c, oz 20c, ¼ lb 60c, lb $2.00, postpaid. By express, 5 lbs $9.00, 10 lbs $17.50.

Prices: Western Seed, pkt 5c, oz 15c, ¼ lb 50c, lb $1.60, postpaid. By express, 5 lbs $7.25, 10 lbs $14.00.

Ohio Yellow Globe is the ideal yellow onion for muck soils, having no stiff neck tendency found in many globes under such conditions.

OHIO YELLOW GLOBE

OHIO RED GLOBE

A very fine uniform Red Globe Onion, similar in shape to the "Ohio Yellow Globe." Lake County, Ohio, seed grown by the originator.

Prices: Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00, postpaid. By express, 5 lbs $9.00, 10 lbs $17.50.

Australian Brown Globe

Quick to mature, a long keeper; solid and heavy; an excellent onion for shipping. The bulbs are perfectly globe shaped. The skin is light brown. Their solidity gives them great weight and a bushel weighs several pounds heavier than the American varieties. An average bulb three inches in diameter each way and weight about seven ounces. The onions are thin necked and ripen very evenly on all soils.

Prices: Pkt 5c, oz 15c, ¼ lb 40c, lb $1.35, postpaid; by express, 5 lbs $6.50, 10 lbs $11.50.

APPLE SHAPED RED GLOBE

Whenever a dark red, small necked, round Onion is desired, Vaughan's Apple Shaped Red Globe is the most perfect type that can be found. It is ideal for enclosing the largest bulk in the most compact shape. Its color is rich dark blood red, such as can only be kept by continually growing it under the most favorable conditions in the eastern part of the United States; California or the far western grown Onion soon losing the deep rich red color so much desired. In size the Apple Shaped Red Globe is equal to anything in Red Globe Onions. We have each year re-selected bulbs for size, shape and color, and have grown both bulbs and seed on the richest land near Chicago that we could find. We have harvested excellent crops for the past two seasons and we now offer it in quantity and at prices which put it in reach of all. Our seed of this variety is grown alone and away from any other variety, carefully saved, washed and remilled at growing points so that the chance for mixing in any way is very remote. **Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00. By express, 5 lbs $9.00, 10 lbs $17.50.**

VAUGHAN'S PEDIGREE ONION SEED

"FANCY" YELLOW GLOBE DANVERS

On most markets in this country the Yellow Onion has by far the greatest sale, and for this purpose our fancy Yellow Globe Danvers Onion supplies the standard of quality. It is almost, though not quite, globe shaped and the bulbs are of good size with very thin necks. The color is a dark orange yellow; the flesh is pure white, solid and of excellent quality. Its keeping qualities are the very best; many of our market growing customers regularly keeping their Onions grown from this seed into May and June. This strain is so nearly globe shaped that it passes for a Globe and being several weeks earlier than the "Southport" Onion, usually enables the planter to realize the high early market prices. The crop is uniform and ripens early at one time. Our seed is carefully grown and will please the most critical.

Pkt 5c, oz 20c, 2 oz 30c, ¼ lb 50c, lb $1.75; by express 5 lbs $7.75, 10 lbs $15.00.

YELLOW GLOBE DANVERS

This is the ordinary strain of this variety. Season the same as the "Fancy Globe Danvers"; the onions do not run as globe shaped as that variety, but are otherwise the same in regard to color, ripening and keeping.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.35; by express, 5 lbs $6.00, 10 lbs $11.50.

LARGE SIZED AND FLAT ONIONS

MAMMOTH SILVER KING

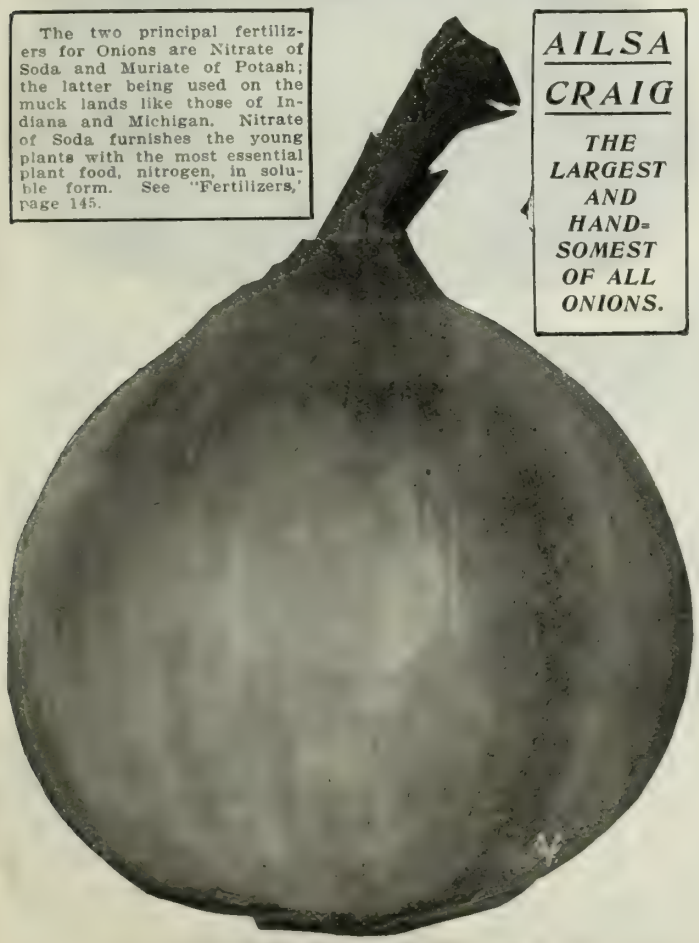
One of the largest varieties in cultivation, averaging 15 to 22 inches in circumference and often weighing 2½ to 4 lbs. each. It matures early and is of uniformly large size and good shape, being flat but thick. The skin is clear, silver white; flesh snowy and tender of mild sweet flavor. To attain its greatest size should be sown early and transplanted. Its striking size and handsome appearance, as well as mild flavor, recommend it for exhibition, fancy market or table.

Pkt 5c, oz 15c, ¼ lb 45c, lb $1.60.

The two principal fertilizers for Onions are Nitrate of Soda and Muriate of Potash; the latter being used on the muck lands like those of Indiana and Michigan. Nitrate of Soda furnishes the young plants with the most essential plant food, nitrogen, in soluble form. See "Fertilizers," page 145.

AILSA CRAIG

THE LARGEST AND HANDSOMEST OF ALL ONIONS.



AILSA CRAIG—The largest of all Onions

FANCY YELLOW GLOBE DANVERS

Iron Age Tools, New Model Seed Drills and Little Gem Cultivators.
See Pages 152 and 153.

AILSA CRAIG ONION

VAUGHAN'S SELECTED STOCK

One of the largest of Onions. It is very handsome, oval-shaped variety with pale straw-colored skin; twelve bulbs have been known to weigh 30 lbs. In England it is the most popular large Onion grown. For exhibition it is unexcelled, always giving under the same conditions much larger and more shapely bulbs than the "Prizetaker." To attain its largest size it should be sown early in the spring in the hot-bed and later transplanted to open ground. The onion is very productive, is a good keeper for a large onion, and for those who like an onion raw we recommend it highly on account of its pungency, but also mild and acceptable flavor. Market gardeners who grow this sort box them and compete successfully with the imported "Spanish Onion." We believe when this variety is better known it will outrank some of the most popular sorts. Our seed is grown from English prize-winning stock. **Pkt 20c, ½ oz 35c, oz 60c.**

PRIZETAKER, American Grown

VAUGHAN'S SELECTED STOCK

A Yellow Globe Onion that claims attention for largeness as well as handsomeness. They attain immense size when raised under favorable conditions, 15 to 20 inches being often reached when conditions permit. To reach this size it is necessary to start them early in hot-beds and transplant so that they may have a long season to reach their mature size. Grown under ordinary conditions they grow to a slightly larger size than the ordinary "Globe Onion." This Onion is of the same type as the large Spanish Onions imported in quantity and sold in crates. Grown now for many years in this country our seed is thoroughly acclimated and if permitted to thoroughly ripen keeps quite well.

Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.35; by express, 5 lbs $6.00, 10 lbs $11.50.

CRYSTAL WHITE WAX

This is a pure white flat onion. In the south, especially Texas, it has been so popular the last few seasons there was not enough seed to supply the demand. In our trials it has shown itself good for the north.

Teneriffe Seed, **Pkt 10c, ½ oz 30c, oz 50c.**

WHITE AND RED BERMUDA

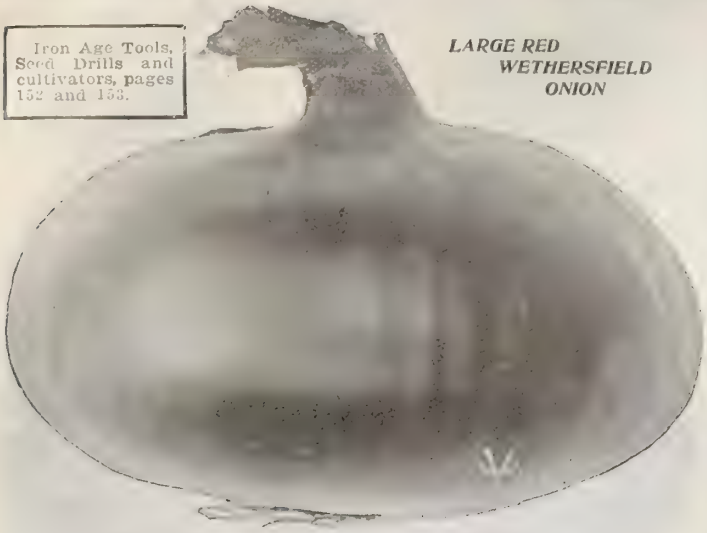
These are the large Onions grown in Bermuda and Texas, where a large number of carloads are produced annually, and shipped north for early spring use. In the southen part of the United States, as well as Bermuda, our imported Teneriffe seed gives the best results

Price for either color, Teneriffe Seed, **Pkt 10c, ½ oz 25c, oz 45c.**

Vaughan's Pedigree Onion Seed

FLAT VARIETIES

Iron Age Tools, Seed Drills and cultivators, pages 152 and 153.



LARGE RED WETHERSFIELD ONION

LARGE RED WETHERSFIELD

This is the standard variety of the flat Red Onion. It is especially popular in the west and southwest, where immense crops are grown for market. Large in size; skin deep purplish red; form round, somewhat flattened; flesh purplish mixed with white, moderately fine grained and as mild as most other kinds. Very productive and a fine keeper. It is more inclined to form large necks than the Yellow Danvers on strong soils, but on poor or dry soils it gives better results than other sorts. Our seed is a carefully selected California grown strain and the equal of any on the market today.

Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.

VAUGHAN'S NEW OX BLOOD RED WETHERSFIELD

An especially selected strain for dark red color of Red Wethersfield. It is the darkest red Onion in existence, and where the market demands a dark red flat Onion it has no superior.

Pkt 10c, oz 20c, ¼ lb 50c, lb $2.00; by express, 5 lbs $7.75, 10 lbs $15.00.

EXTRA EARLY RED, Eastern Grown The first red Onion to ripen and at the same time one of the handsomest in appearance. Our strain of seed has been bred especially for earliness and uniformity in ripening by an experienced Eastern grower and will be found to ripen at least two weeks earlier than the other strains of this variety. Flat, good red color; medium in size. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.70; by express 5 lbs $7.75, 10 lbs $15.00.**

YELLOW FLAT DANVERS

Yellow Flat Danvers is an onion that calls for consideration because of its several splendid qualities which have made it a standard variety of very extensive use. It is of medium size, bulb flattened but quite thick through with thin neck; the skin is coppery yellow; the flesh is creamy white, mild and of excellent flavor. It is good for the home garden and market, as it combines reliability in ripening very evenly with large yield. For a general-crop Yellow onion—where the strictly globe shape is not demanded—this one is in every respect first-class. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

Onion Set Seed buyers should write us for special prices. Our seed is the best and prices strictly in line.

YELLOW FLAT DANVERS ONION

BROWN AUSTRALIAN It is an extra early and long keeping variety, yielding large crops. In warm climates where ordinary varieties of large Onions do not keep, this is a favorite. The bulbs are of medium size with skin of amber brown varying in shade; the flesh is solid, white and crisp and of mild, sweet, fine flavor. The seed we offer is up to our known standard of fine quality. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

Strassburg or Large Yellow Dutch Larger and flatter than Yellow Danvers, and of darker color skin. The flesh is white, mild and of fine grain and well flavored. This is a splendid yellow onion for sets. Our seed is very carefully grown and can be relied upon to give equal satisfaction with the best to be found on the market. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

EARLY YELLOW CRACKER The earliest of the flat yellow varieties; desirable to raise where seasons are short, or for early market. Keeping quality good; excellent flavor; desirable for sets. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.70, 10 lbs $9.00.**

THE BOLTON—The Onion for Sets

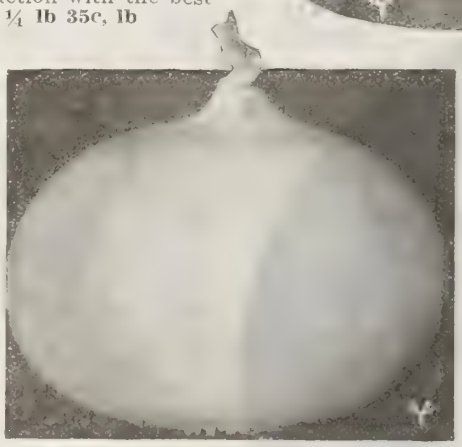
An early, pale red variety, medium size, shaped like "Flat Danvers" with small tops. Quite similar to the "Australian Brown," perhaps a little more uniform in color of skin with a tinge more red—one of the best kinds for sale.

Pkt 5c, oz 12c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.

EARLY WHITE WELSH ONION

This kind does not form a bulb, but is one of the best kinds for "Green Onions." The plants are perennials. They can be propagated by seed or divisions. A great saving in cost over top sets.

½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 75c, lb $2.50.



WHITE PORTUGAL

WHITE PORTUGAL or SILVERSKIN

The favorite white onion; has a beautiful clear white skin that glistens like silver; it is flat in shape and of medium size, fine mild flavor. Extensively used for growing white onion sets and pickles, but also for early bunching or green onions. In either of these capacities it gives a splendid account of itself. It is also used for market as a large white onion variety. It is a good keeper, the best of the white onion varieties, and of value for fall and early winter use as a large onion.

Pkt 10c, oz 20c, ¼ lb 50c, lb $1.50; by express 5 lbs $6.75, 10 lbs $13.00.

ITALIAN ONION SEED

VAUGHAN'S PICKLING One of the best White Onions for pickling. Ripens uniformly early, is small, round, hard, crisp and tender. A very handsome sort with an opaque white skin. Not a good keeper. An excellent variety for green onions, pickles or for immediate use when grown for large Onions. Flavor very sweet and mild. **Pkt 10c, oz 25c, 2 oz 35c, ¼ lb 55c, lb $1.85; by express, 5 lbs $8.50, 10 lbs, $16.50.**

WHITE QUEEN Remarkable for its earliness and very mild flavor. It is small and white skinned. The general favorite with pickle manufacturers. **Pkt 5c, oz 15c, 2 ozs 30c, ¼ lb 45c, lb $1.60; by express, 5 lbs $7.25, 10 lbs $14.00.**

WHITE BARLETTA Has a beautiful waxy-white color, much admired by housewives. **Pkt 5c, oz 15c, ¼ lb 15c, lb $1.60, postpaid; by express 5 lbs $7.25, 10 lbs $14.00.**

GIANT ROCCA A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. **Pkt 5c, oz 15c, ½ lb 45c, lb $1.60, postpaid.**

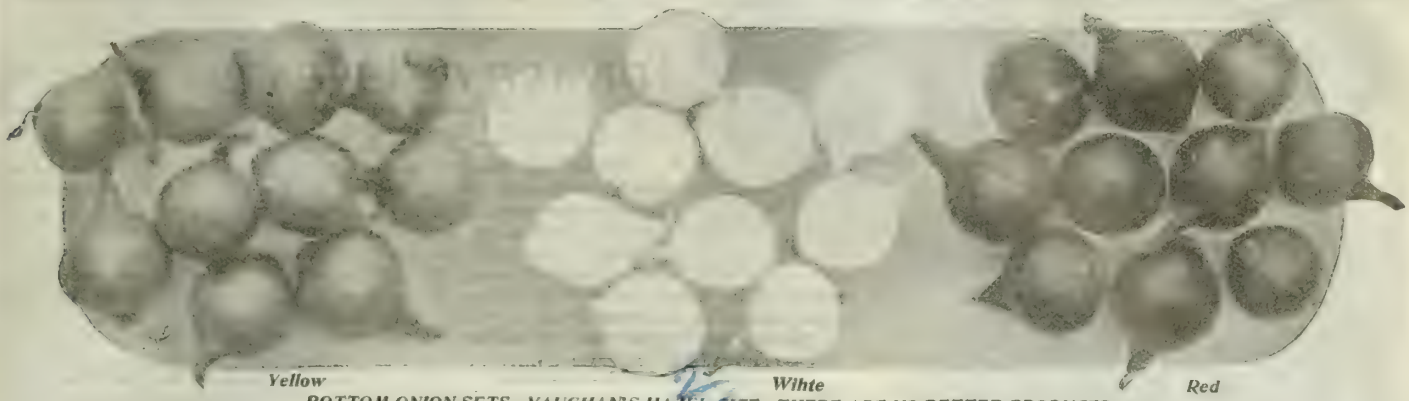
Each year every bag of Onion Seed sold by us is tested for vitality before leaving the store.

White Potato Onion Seed.
Pkt 10c, oz 30c, 2 oz 50c.
Yellow Multiplier Seed (Shallot).
Pkt 10c, ½ oz 20c, oz 30c, 2 oz 50c.

ONION SET PRICES
Are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

ONION SETS

THE 1911 ONION SET CROP
Is of average size this year. A good crop in Chicago, though short in other growing districts. Prices promise to be moderate but firm.



Yellow *White* *Red*

BOTTOM ONION SETS—VAUGHAN'S HAZEL SIZE—THERE ARE NO BETTER PRODUCED

WHY ONION SETS ARE PLANTED

Bottom Onion Sets produce Onion bulbs much earlier than can be done by sowing the seed and allows the planter the early high market prices and permits the sowing of another crop on the land the same year. For green or bunch Onion sets produce a crop in half the time it takes to raise these from seed.

White Bottoms Our sets of these are very choice, small, dry and unsprouted. **Pt 15c (by mail 21c), qt 25c (by mail 37c); by freight or express, 2 qts 45c, ½ pk 65c, pk $1.00, bu (32 lbs) $2.75.**

Yellow Bottoms Fine dry sets, medium in size and unsprouted. **Pt 15c (by mail 21c), qt 25c (by mail 37c); by freight or express, 2 qts 40c, ½ pk 60c, pk 90c, bu (32 lbs) $2.50.**

Red Bottoms Bright, deep red in color, even and dry. **Pint 15c (by mail 21c), qt 25c (by mail 37c); by freight or express 2 qt 40c, ½ peck 60c, peck 90c, bu (32 lbs) $2,50.**

Special Offer **1 pint each above three colors, 40c (by mail 55c), qt each 70c (by mail $1.00).**

VAUGHAN'S HAZEL SIZE BOTTOM ONION SETS

These extra selected sets measure about ⅝ inch in diameter and are as uniform as it is possible to grade them. Price for White, Red or Yellow, 20c per pint, or 30c per quart. Larger quantities at the quart price. Add 6c per pint and 12c per quart if ordered by mail.

White Multipliers Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There is usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. **Pt 20c (by mail 26c), qt 30c (by mail 42c), ½ pk 65c, pk $1.10, bu (32 lbs) $4.00.**

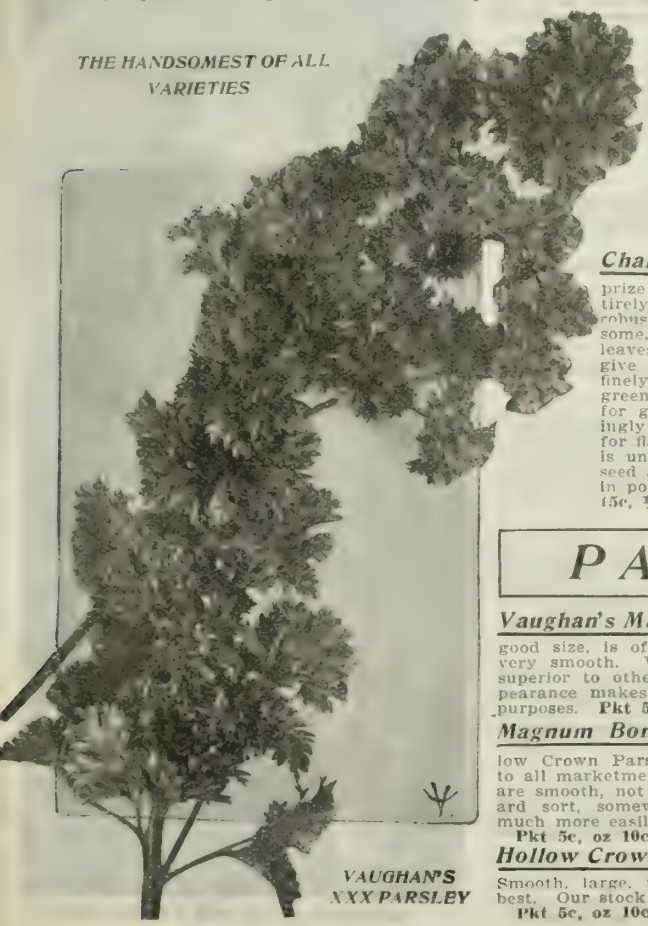
Shallots or Yellow Multipliers **Pint 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½ pk 65c, pk $1.00, bu (32 lbs), $3.50.**

Red Spring-Top Sets These are planted to produce both early "Green Onions" and large eating onions. **Pt 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½ pk 65c, pk $1.10, bu (32 lbs) $4.00.**

Egyptian or Red Perennial This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce Green Onions** for Spring or Fall use which are perfectly hardy and stay in the ground all the time. **Pt 12c (by mail 18c), qt 20c (by mail 32c), by freight or express pk 60c, bu $2.00.**

Yellow Potato They produce large, dry ripe Onions, earlier than any other kind. **Pint 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½ pk 65c, pk $1.10, bu (32 lbs), $4.00.**

THE HANDSOMEST OF ALL VARIETIES



VAUGHAN'S XXX PARSLEY

PARSLEY

The Crop is Very Short

Vaughan's New XXX It is by far the handsomest of all varieties of Parsley. Its delicate curled leaves and rich dark green color make it the ideal variety for garnishing dishes. In habit the plant is very dwarf—considerably more so than the Moss Curled variety, a point which makes it particularly desirable for greenhouse or pot indoor planting; also as a neat border in the vegetable garden.
Pkt 10c, 2 pkts 15c, oz 25c, ¼ lb 75c, lb $2.25.

Champion Moss Curled This is a fine prize winning English variety, entirely distinct. It is a very quick, robust sort, making remarkably handsome, compact plants, which have leaves so crumpled and curled as to give them the appearance of tufts of finely curled moss. The color is rich green, making it the very best parsley for garnishing. Its flavor is exceedingly pleasant and aromatic, so that for flavoring sauces, dressings, etc., it is unsurpassed. Very slow to run to seed and quite hardy. May be grown in pots or window boxes. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.**

Double Curled A very fine dwarf, handsome green, curled variety.
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.

Fern-Leaved Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor.
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.

Plain The leaves are not curled, however, the flavor is excellent and plant is very hardy. **Pkt 5c, oz 15c, ¼ lb 40c, lb. $1.40.**

Hamburg Rooted or German Parsley The root resembles a small parsnip and is the edible part of this sort; extensively used for flavoring soups.
Pkt 5c, oz 15c, ¼ lb 50c, lb $1.75.

PARSNIP

Very Short Crop

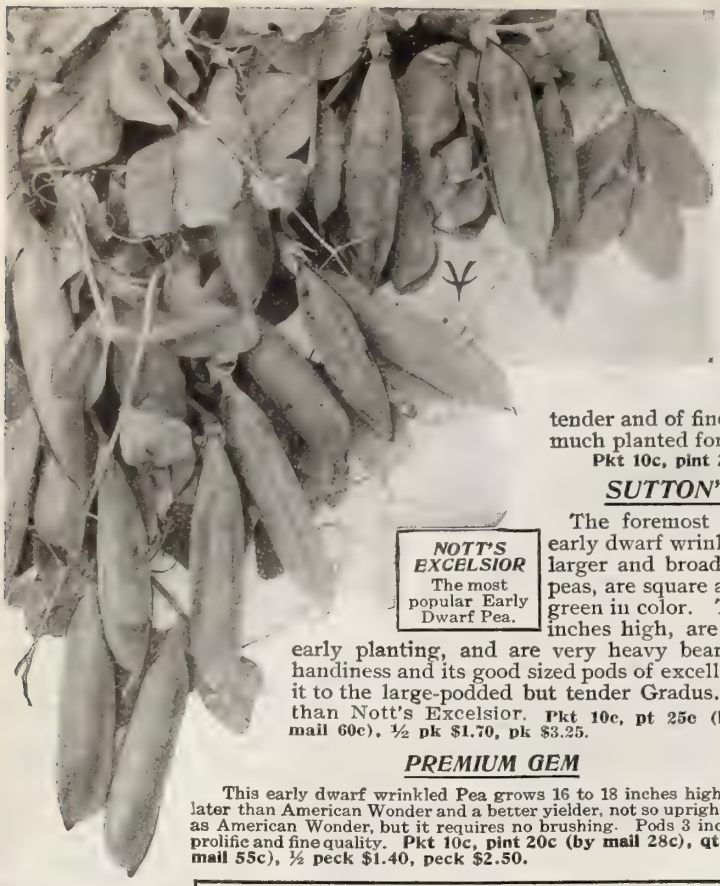
Vaughan's Marrowfat A very fine new parsnip. It grows to a good size, is of perfect form and the skin is very smooth. When cooked the flavor is far superior to other varieties. Its handsome appearance makes it much in demand for show purposes. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

Magnum Bonum A very fine and greatly improved strain of Hollow Crown Parsnip which we can recommend to all marketmen as a moneymaker. The roots are smooth, not so long as those of the standard sort, somewhat thicker in diameter and much more easily pulled. A very heavy cropper.
Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.

Hollow Crown, Long Smooth (Abbott's Improved) Smooth, large, tender and sugary; one of the best. Our stock is very fine.
Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.

Improved Guernsey An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality.
Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.

Vaughan's New Intermediate This new sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. During the past few years of drought, the Intermediate, of all varieties, yielded the heaviest, made the best looking roots, and was the easiest to harvest.
Pkt 10c, oz 20c, ¼ lb 50c.



NOTT'S EXCELSIOR
The most popular Early Dwarf Pea.

PEAS—CROP CONDITIONS

When we said, last year, the Pea crop was shorter than ever known before, we thought we had reached the limit, yet the shortage is even worse this season. Drought and hot weather throughout the world has caused another unprecedented shortage in seed peas. Our peas are marked at fair wholesale prices as we want no one to cut out this essential vegetable on account of price. We therefore reserve the right not to sell peas alone.

DWARF PEAS—EARLY NO BUSHING REQUIRED

NOTT'S EXCELSIOR

Of all the dwarf Peas this is the most popular. Almost as hardy as the early round seeded varities. Only two or three days later—it far surpasses those sorts in quality. It is a very good yielder, surpassing American Wonder and Little Gem in this respect. Grows 15 inches high, requires no support and bears blunt pods about 3 inches long containing 5 to 7 Peas of good size, tender and of finest quality. The most desirable variety for household use and also much planted for market, because prólific, good quality and easily raised.
Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ peck $1.50, peck $2.75.

SUTTON'S EXCELSIOR

The foremost of a new class of first early dwarf wrinkled Peas. The pods are larger and broader than the usual dwarf peas, are square at the ends and are light green in color. The vines grow eighteen inches high, are very hardy, permitting early planting, and are very heavy bearers. On account of its handiness and its good sized pods of excellent quality, many prefer it to the large-podded but tender Gradus. Season two days later than Nott's Excelsior. **Pkt 10c, pt 25c (by mail 33c), qt 45c (by mail 60c), ½ pk $1.70, pk $3.25.**

AMERICAN WONDER

A standard high quality extra early dwarf wrinkled Pea. Height 10 to 12 inches, dwarfer than Nott's Excelsior, very prolific, with fine well filled pods. Matures usually a day or two in advance of Nott's Excelsior and yields almost as well. A home garden variety of the highest class requiring no support in growth. Plant each week for succession.
Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ peck $1.50, peck $2.75.

PREMIUM GEM

This early dwarf wrinkled Pea grows 16 to 18 inches high; a week later than American Wonder and a better yielder, not so upright in habit as American Wonder, but it requires no brushing. Pods 3 inches long, prolific and fine quality. **Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ peck $1.40, peck $2.50.**

THREE SUPERB NEW PEAS

Laxtonian (the new Dwarf Gradus), Little Marvel (an improved Nott's Excelsior), and Vaughan's Exhibition (the largest of all peas) are described in detail on page 6.

DWARF PEAS—MAIN CROP

DWARF DEFIANCE

Medium in season, we consider this the best main crop, large podded, dwarf pea. The pods, dark in color, are often equal in size and fullness to those of the Tall Telephone and under favorable conditions the yield will compare well with any tall sort. The peas are large and in sweetness and flavor rank with the highest. A fine market sort, is an improvement on the old Stratagem. **Pkt 10c, pt 25c (by mail 33c), qt 50c, (by mail 65c), ½ pk $1.60, pk $3.00.**

HEROINE

A main crop late dwarf Pea. Grows 2½ feet high, with very sturdy growth and luxuriant foliage. Pods are long pointed, slightly curved and well filled with luscious peas; grows very uniform and true, besides is extremely prolific. **Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ peck $1.50, peck $2.75.**

SUCCESSION COLLECTION
Dwarf Peas, Sutton's Excelsior, Dwarf Defiance and Heroine.

No.		Postpaid.	At buyers' expense	No.		Postpaid.	At buyers' expense
1	1 pkt each	25c	25c	3	1 qt each	$1.50	$1.00
2	1 pint each	85c	60c	4	½ peck each		$4.50

WITHAM WONDER

This is a second early, wonderful cropping dwarf sort. The pods are dark green and so match the foliage that although the vines are laden with pods, the yield looks light. An examination reveals eight, ten and twelve pods on a vine, each pod filled often to bursting. The peas are medium in size and very sweet, thin skinned and quickly cooked. Whoever plants this variety will surely be pleased with it. **Pkt 10c, pt 20c (by mail 28c), qt 40c (by mail 55c), ½ pk $1.40, pk $2.50.**

McLEAN'S ADVANCER

Medium early in season. This pea produces under average conditions the largest crop of shelled peas of all the varieties which mature in like time. For this reason it is a great favorite with market gardeners and canners. The vine grows about 2½ feet in height and produces medium sized pods packed with peas of excellent quality.
Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), ½ peck $1.10, peck $2.00.

HORSFORD'S MARKET GARDEN

Like McLean's Advancer, very popular on account of its immense yields under favorable conditions. Later than Advancer; it grows taller, requiring no brushing and is a slightly heavier bearer. Pod medium in size and jammed full of peas. The vines grow remarkably uniform and the peas mature uniformly. **Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), ½ peck $1.10, peck $2.00.**

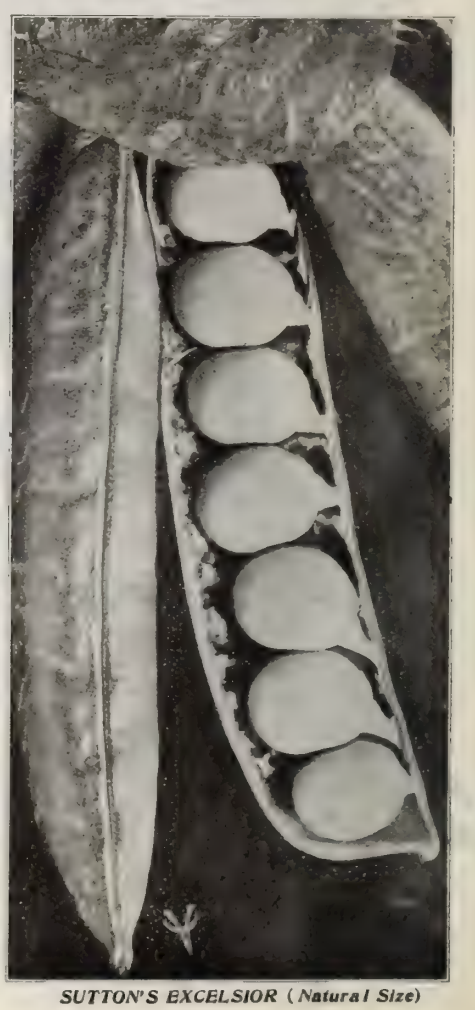
JUNO

A main crop dwarf wrinkled Pea. The pods are long, straight and well filled with 7 to 9 large peas of the highest quality. A vigorous, hardy and prolific variety. Quite similar to the Dwarf Champion variety listed by some seedmen. **Pkt 10c, pint 25c (by mail 33c), qt 40c (by mail 55c), ½ peck $1.50, peck $2.75.**

DWARF TELEPHONE OR DAISY

A very popular, medium season, large, light podded variety. Crop almost a failure. **Pkt 15c, pt 30c (by mail 38c), qt 60c (by mail 65c), ½ pk $2.15.**

DWARF DEFIANCE PEA



SUTTON'S EXCELSIOR (Natural Size)

ALASKA or EARLIEST OF ALL
This is the Standard Pea for market and canning.

IMPROVED STRATAGEM—Main Crop Dwarf Pea

By many considered the highest quality of all Peas. A dwarf medium season wrinkled Pea. Vine grows two feet in height. Requires no support. The pods are long, dark green in color and packed with immense Peas of delicious sweetness. We have a strain which is true to type. Fine for house and market.
Pkt 10c, pint 25c (by mail 33c), qt 45c (by mail 60c), ½ peck $1.60, peck $3.00

NORTHERN GROWN | # EXTRA EARLY PEAS | MEDIUM HEIGHT

Vaughan's SELECTED EXTRA EARLY

Maud S.

An extra early strain of the early white seeded round smooth Pea. The essential points of the extra early pea are earliness, evenness in ripening (so one picking will gather the crop) and uniformity of type. Our strain combines all these features. There is no better. Pods 2½ to 3 inches long, 5 to 7 peas in a pod, vine 20 to 26 inches high.
Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), ½ peck $1.20, peck $2.25.

ALASKA—Also called EARLIEST OF ALL

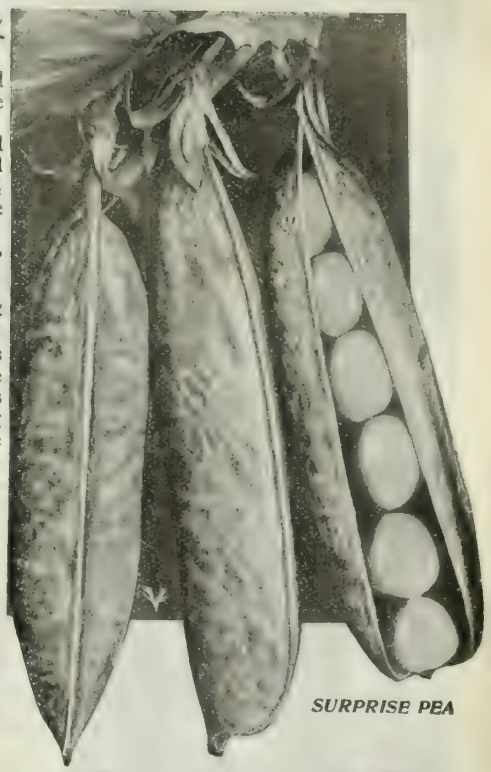
Similar to the extra early pea described above. Alike in season, the difference being that its seeds are bluish instead of cream in color. The round seeded peas do not rot in cold soil as easily as do the wrinkled sorts, thus permitting early planting. We have one of the few true strains now on the market.
Pkt 10c, pint 20c (by mail 28c), qt 30c (by mail 45c), ½ peck $1.10, peck $2.00.

FIRST AND BEST

A slightly later and more productive strain of the white seeded extra early pea than Maud S. Sold also as Philadelphia Extra Early, Rural New Yorker, Daniel O'Rourke, Best Extra Early, etc., etc. **Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), ½ peck $1.10, peck $2.00.**

VELOCITY

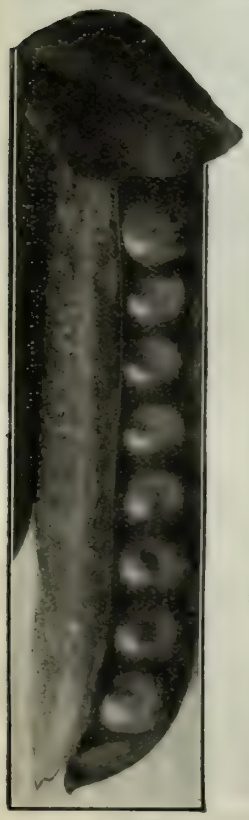
The earliest of all peas at the present time. Similar to Alaska—only with smaller vines and pods; seed round, smooth ond bluish color; quality fair. Season almost a week earlier than Alaska. **Pkt 10c, pt 25c (by mail 33c), qt 45c (by mail 60c), ½ pk $1.50, peck $2.60.**



SURPRISE PEA

SURPRISE

The earliest of all the sweet wrinkled Peas. Within a couple of days in season of Alaska. It has the excellent sweet quality of the wrinkled sorts like Nott's Excelsior. It is not so hardy as Alaska, however, and cannot be planted in such cold soil. Vine grows 24 inches and needs no support. Pods good sized, borne in good numbers and well filled.
Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), ½ peck $1.35, peck $2.50.



Improved Stratagem

ALL SORTS DO BEST WHEN BRUSHED

GRADUS

The most popular high quality, extra early wrinkled Pea. This remarkable pea is not only large and of the best quality, but is within two or three days as early as the small, round, extra early sorts. Gradus is a wrinkled pea, growing about 30 inches high; the pods are of a bright green color, measuring 4 inches or more in length, as large as Telephone, well filled with luscious peas, 8 to 10 or more in a pod. The peas are of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A little tender, so it should be sown in the warmest spot in the garden. A grand pea in all respects.
Pkt 15c, pt 35c (by mail 43c), qt 60c (by mail 75c), ½ pk $2.25, pk $4.00

THOMAS LAXTON

A first early large podded wrinkled Pea and the only rival of its famous parent, Gradus. In season a few days later than Alaska, compared to Gradus, it has a blunt pod, while those of the Gradus taper and appear larger. The pods, however, contain a larger number of peas than Gradus and of equal quality. May be grown either with or without support. Vine 3 to 3½ feet; pods contain 6 to 8 peas. An ideal variety for the home garden.
Pkt 15c, pt 35c (by mail 43c), qt 60c (by mail 75c), ½ pk $2.25, pk $4.00

GRADUS OR PROSPERITY

TELEPHONE PEAS

TALL GROWING PEAS

VAUGHAN'S IMPROVED TELEPHONE

The best main crop tall Pea without exception. The pods are of immense size, a fine dark green color, much more desirable than the light green of the ordinary Telephone and the peas are tender and deliciously sweet. The vines grow four feet high do better if brushed, although can be grown without support and are very vigorous and prolific. The finest and most desirable of all peas for the home garden and market growing. See further descriptions on this page for other Telephone types of peas. **Pkt 10c, pt 30c (by mail 38c), qt 50c (by mail 65c), ½ pk $1.75, pk $3.50.**

CHAMPION OF ENGLAND

The best late season tall Pea. Although one of the oldest varities of peas we have not yet found one to surpass it in quality There is no sweeter Pea than the Champion of England. The vines grow about 5 feet high, are very vigorous and produce a heavy crop of good sized pods filled from end to end with luscious peas. **Pkt 10, pint 20c (by mail 28c), qt 40c (by mail 55c) ½ peck $1.50, peck $2.75.**

Succession Collection Tall Peas		Postpaid, by mail	By express at buyer's expense
Gradus	No. 7, 1 pkt., each	$0.25	$0.25
	No. 8, 1 pint, each	1.00	.75
Improved Telephone	No. 9, 1 quart, each	1.80	1.35
Champion of England	No. 10, ½ peck, each		5.20

VAUGHAN'S SWEET MARKET

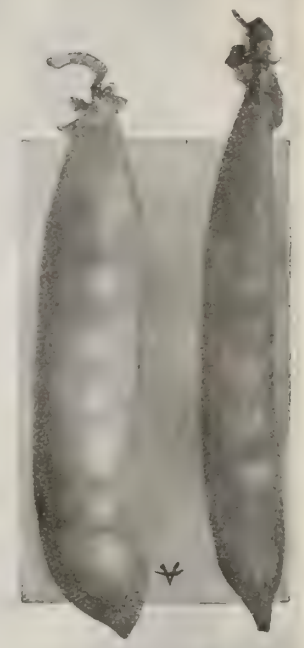
An excellent main crop Pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. Height 2½ feet strong, vigorous vines, many bearing as high as fifty pods. Pods 3½ inches long filled with 7 to 9 peas. **Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ Peck $1.50, peck $2.75.**

LONG ISLAND MAMMOTH

Also called Telegraph. Regarded as a smooth seeded strain of Telephone. A little later; pods not so large nor quality of its large pea as good. The vine is hardier than Telephone, however. Seeds nearly smooth. **Pkt 10c, pt 20c (by mail 28c), qt 40c (by mail 55c), ½ pk $1.50, pk $2.75.**

EVERBEARING

A medium height, very prolific variety. Pods about 3 inches in length, large peas of good quality. Good for late Summer and Autumn use. **Pkt 10c, pint 20c (by mail 28c), qt 40c (by mail 55c), ½ peck $1.30, peck $2.50.**



CHAMPION OF ENGLAND
The best main crop tall-growing pea

TELEPHONE TYPES

The Telephone is without a doubt the most popular of all the garden Peas. It has not acquired this public favor without merit. Medium early in season, bears a long time; the pods are always of good size, well filled and the quality is of the very best. Does best when brushed, although will produce a crop without

Telephone The old type is not quite so uniform as some of the improved varieties and has light colored pods instead of dark green.
Pkt 10c, pt 20c (by mail 28c), qt 40c (by mail 55c), ½ pk $1.60, pk $3.00.

Vaughan's Improved Telephone See top of page.

Prince Edward A strain especially selected for large pods. The largest podded of all of this type. Not so heavy a yielder as Vaughan's Improved Telephone. Fine for exhibition.
Pkt 10c, pt 30c (by mail 38c), qt 50c, (by mail 65c), ½ pk $1.75, pk $3.50.

Alderman An English selection of Improved Telephone. Very uniform. Pods a shade darker than Vaughan's Telephone.
Pkt 10c, pt 30c (by mail 38c), qt 50c (by mail 65c), ½ pk $1.75, pk $3.50.

Vaughan's Exhibition Slightly later than the ordinary Telephone type. The pods are of immense size, the largest of all peas. For exhibition purposes it has no superior. Should be brushed or poled for best results. Height of vine 4½ feet. The peas are very large, sweet and sugary. Quite prolific.
Pkt 15c, pt 60c (by mail 68c), qt $1.10 (by mail $1.25).

Yorkshire Hero An old standard variety. Medium tall in length of vines it produces a fine crop of broad, well filled pods. The peas are wrinkled, sweet and large and remain in good condition for eating a long time. Especially popular on the Pacific Coast.
Pkt 10c, pint 20c (by mail 28c), quart 40c (by mail 55c), ½ peck $1.30, peck $2.25.

Black Eye Marrowfat (Late) A great yielder of ordinary quality peas.
Pkt 10c. pint 15c (by mail 23c), quart 25c (by mail 40c), ½ peck 80c, peck $1.50.

White Marrowfat Similar to Black Eye. Popular because of its heavy yield.
Pkt 10c, pint 15c (by mail 23c), quart 25c (by mail 40c), ½ peck 80c, peck $1.50.

EDIBLE PODDED PEAS

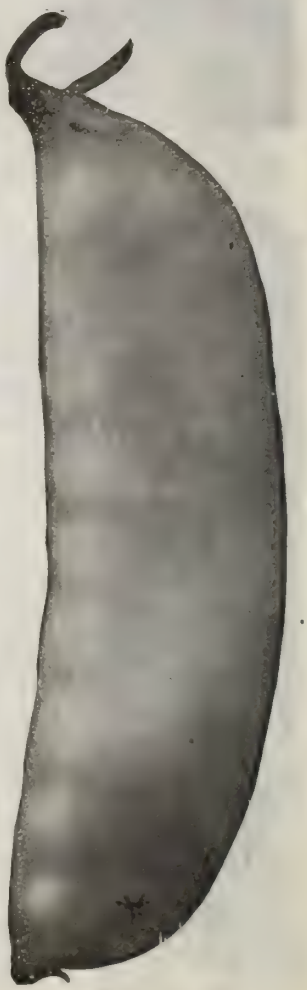
Dwarf Gray Sugar Height 15 to 18 inches. Blossoms purple. Large pods which are eaten like string beans.
Pkt 15c, pint 35c (by mail 43c), quart 60c (by mail 75c).

Tall Gray Sugar Tall growing strain of the above. Price the same as Dwarf Gray Sugar.

Mammoth Melting Sugar A late large sugar podded Pea. Vine 4 to 5 feet. Quality the best of Sugar Peas. Pods 5 and 6 inches long, thick and fleshy. Cooked as string beans, they are a delightful dish. Crop a failure.
Pkt 15c, pint 35c (by mail 43c), quart 60c (by mail 75c).

VAUGHAN'S SPECIAL

Vaughan's "Specials" in Beans are grown by us on our Michigan farms. There are none better. See pages 3 and 4.



MELTING SUGAR PEA

PEPPER

Sweet Varieties: Upright Salad, Neapolitan Salad, and Magnum Dulce are mild and sweet. They can be eaten raw like an apple.

VAUGHAN'S MAGNUM DULCE PEPPER

This is the largest American variety of Pepper. The fruits are of tremendous size, some growing 7 inches in length to 4 inches in diameter. The flesh is exceptionally mild, sweet and pleasant; so mild that fried like egg plant it makes a most delicious and piquant vegetable for the table. For maximum yields it is desirable to pinch off the "King Flower," the first one to open. These flowers make the largest peppers. However, the yield of medium sized fruits is increased by such practice. Our seed is very carefully grown and re-selected every year. **Pkt 15c, 2 for 25c, ½ oz 35c, oz 60c.**

NEW SWEET PEPPER NEAPOLITAN SALAD

A cross between the Upright Sweet Salad variety and the Neapolitan. This new sort ripens even earlier than the Neapolitan, hitherto the earliest pepper of marketable size. The color is light green, changing to bright red when ripe. A great producer, the plants becoming simply loaded with fruit, and in the ripening state a block of these peppers appears a mass of red and gold. In size as large as Neapolitan. **Pkt 10c, ¼ oz 20c, ½ oz 30c, oz 50c.**

NEAPOLITAN SALAD PEPPER

New Sweet Upright Salad For use in the Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping, making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxen red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.
Pkt 10c, ½ oz 25c, oz 40c, ¼ lb $1.40.

Vaughan's Sweet Mountain A strong growing variety and very productive. The fruits when young are a bright deep green color without any shade of purple; when ripe they are most handsome red. The flesh is thick and mild, though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed has been very carefully selected.
Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 60c, lb $2.10.

Ruby King One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 60c, lb $2.10.

Fancy Wrinkled Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. **Pkt 10c, oz 30c.**

Chinese Giant Double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick and makes an excellent salad sliced and served like Tomatoes. Color green changing to a glossy scarlet when ripe. **Pkt 10c, ¼ oz 15c, ½ oz 25c, oz 40c, ¼ lb $1.15, lb $4.00.**

Neapolitan A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. **Pkt 10c, 2 for 15c, oz 25c, ¼ lb 70c, lb $2.50.**

	Pkt.	½ oz.	oz.	¼ lb.
Bullnose—Sweet Mountain is an improved type	5c	15c	25c	60c
Cayenne—Long red; very hot	5c	15c	25c	75c
Cayenne Pickling—Dwarf; habit upright	10c	15c	25c	...
Celestial—Ornamental for Xmas	10c	15c	25c	75c
Cherry—Prolific; fruit small and round; good for pickling	10c	15c	25c	75c
Elephant's Trunk—Long, mild; bright scarlet color	5c	15c	30c	...
Mammoth Golden Queen—Large yellow	5c	15c	25c	60c
Golden Dawn—Mild yellow	5c	15c	25c	60c
Red Chili—Good hot pickling	5c	15c	25c	...
Red Cluster—Small and pungent	5c	15c	25c	..
Sweet Spanish Monstrous—Large fruit, mild and sweet	5c	15c	25c	60c
Tabasco—Hottest of all	10c			

VAUGHAN'S EARLY POTATOES

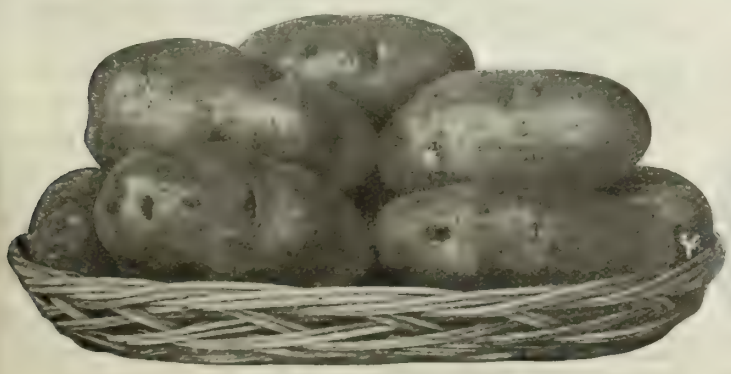
GROWN IN THE FAR NORTH

Vaughan's Selected Northern Grown Seed Potatoes are standard with the critical potato growers throughout the United States. For smoothness, freedom from disease or roughness and trueness to type we have been unable to find anywhere stock that will average with ours.

Our Triumphs, Ohios and Irish Cobblers are raised in the Red River Valley of the North. That locality is ideal for producing the smoothest, most vigorous and earliest seed potato known (not excepting the Maine region). The medium and late crop sorts are grown in Northern Michigan, some on our own land and all under our direct supervision from our own seed stock.

In sorting after harvest, prongy, small, scabby and off-shape tubers are thrown out. The stock is then stored under perfect conditions and is again re-sorted in the spring before shipment.

The potato crop is short this year, especially in early stock. Wants should be covered early.



WOODBURY'S WHITE ROSE

WOODBURY'S WHITE ROSE

This is a second early, rather long, white potato, which produces in time to command the high early market prices and yet yields a crop which compares favorably with the standard late kinds and twice as heavy as the earlies. The quality is superior and much better than any other early sort. WHITE ROSE is a seedling of the EARLY ROSE and takes its earliness from its parent. The vine is vigorous and a good early blight resister. The tubers are of a more desirable shape than the Early Rose, not so long, skin pure white and the eyes are shallow, so there is no loss in peeling. A white potato always commands a better price on the market than an early red. Particularly good on light soils.

Price, ½ peck 35c, peck 55c, ½ bu $1.00, bu $2.00, sack $5.25, bbl $5.50, 10 bus $17.50.

VAUGHAN'S EARLY POTATOES

GROWN IN THE FAR NORTH

Don't buy store potatoes this summer when the best early seed can be purchased at the figures below:

Vaughan's Red River Ohio.—The best earlies to date. Every farmer or gardener who plants early potatoes knows the Early Ohios and nearly everyone knows the Vaughan Red River Valley Strains. They have no equal. Maine Stock, with all its many boasts of superiority, is neither as early nor as vigorous, and what is more important, very little—due to careless methods of growing and handling—run true to type. Years ago we recognized that conditions in the Red River Valley were ideal for growing early potatoes and we were the first to raise our seed stock in that country. When we say that our same growers have, for almost twenty years, produced our stock, it may be readily understood that our seed potatoes have been satisfactory.

Prices.—The dry weather the past summer made an almost absolute failure of the early potato crop and so shortened the late yield that the Department of Agriculture reports a many-million-bushel shortage over even last year's high price season. The Red River Valley was a favored section last summer. We contracted and purchased early and we hold our own potatoes at the right figures. We will give our customers the benefit.

VAUGHAN'S WHITE OHIOS

This is the most popular early White Potato. Although it has been many years since Vaughan's Seed Store first introduced the Early White Ohio it is still without an equal as an early white. A sport of the "Red Ohio" it is in most respects similar to that variety and while it does not yield as heavily as the Early Red Ohio it is superior in quality and, being white, commands a premium on the market that usually makes up for the lesser crop. A quality home variety.

½ pk 35c, pk 65c, bu $2.25; bbl $6.00, 10 bus $19.00.

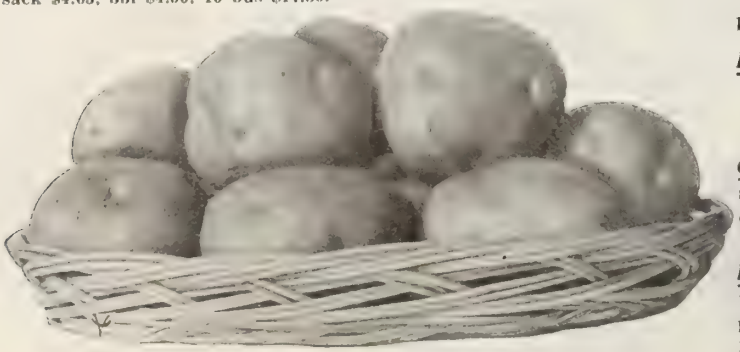
Acme A Potato of the Ohio type, in fact very similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. First class for both market and amateur gardeners.

½ pk 35c, pk 60c, ½ bu $1.00, bu $1.90, bbl $5.00, 10 bus $17.00.

Noroton Beauty or Quick Lunch This is a very early, white, round Potato with eyes of medium depth. It may be regarded as the earliest commercial sort up to date. Quality is quite good. It is not a heavy yielder and will run usually about two-thirds the number of bushels per acre that the Early Ohio produces on the same ground. For ordinary purposes it is very hard to distinguish this variety from White Bliss Triumph, although perhaps it is a slightly better yielder. Our stock is grown from that of the originator and has been very carefully selected.

½ pk 35c, pk 65c, ½ bu $1.10, bu $2.00, sack (165 lbs) $5.25, 10 bus $17.50.

Bliss or Red Triumph For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the Spring on the Northern market they are very attractive and of course command a large premium over the old stock. Seed is scarce this year. **By freight or express, ½ pk 35c, pk 65c, bu $2.00, sack $4.65, bbl $4.90, 10 bus $17.50.**



IRISH COBBLER

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Although one of the earliest varieties, the Early Ohio is at all times considered the best early potato today. It is early, our Red River Strain runs a week to ten days ahead of seed from other sources; it yields well even under most adverse conditions and bears a much heavier crop than any other early with the exception of Irish Cobbler and Woodbury's White Rose. It has quality superior by far to the earlier Noroton Beauty or Triumph and the rather coarse Cobblers. The tubers are of medium size, small eyes, red or pinkish skin. **Note**—It is a curious fact that in the Middle States, Red River Seed always is earlier and yields better than does native stock, no matter how carefully selected. For this reason the large market growers always buy this seed.

½ pk 35c, pk 60c, bu $2.00, bbl $5.25, 10 bus $17.50.

IRISH COBBLER

A HEAVY CROPPING EARLY

A variety which in recent years has attained immense popularity. In many soils it is as early as, or within a few days of, the Early Ohio and the yield is much superior. Added to the last point, the potato is chunky, white in color, of a medium large size, making it the most attractive variety by far on the early market. While the quality is rather coarse, the market price, on account of its handsome appearance, is generally better than the Early Ohio. Irish Cobbler does its best on light soils. Our stock, this year, is Red River Valley grown and our customers will find it earlier and more vigorous than stock of different origin. The crop is short, and as this variety is very popular, we advise ordering early.

½ pk 35c, pk 65c, ½ bu $1.10, bu $2.10, sack (165 lbs) $5.00, bbl $5.25, 10 bus $17.50.

Extra Early Bovee An extra early variety; color white with pinkish skin. A very handsome sort; quality excellent; a heavy yielder.

½ pk 35c, pk 60c, bu $2.00, sack (165 lbs) $5.00, bbl $5.25.

Green Mountain A main crop, large, handsome potato. In shape it is oval, white in color, and one of the finest eating of all potatoes. Season is medium late. A prolific cropper.

½ pk 35c, pk 60c, bu $2.00, sack (165 lbs) $5.00, bbl $5.25.

Iron Age Potato Machinery We believe this is the best on the market. Send for illustrated catalogue.

Iron Age Potato Planter No. 1 or 3, $80.00, with Fertilizer Distributer.
Iron Age Potato Planter No. 2 or 4, $70.00, without Fertilizer Distributer.
Iron Age Potato Digger No. 120.....$90.00

POTATOES

MAIN CROP

GROWN IN THE FAR NORTH FOR VAUGHAN'S SEED STORE—TRUE STOCK

NEBRASKA

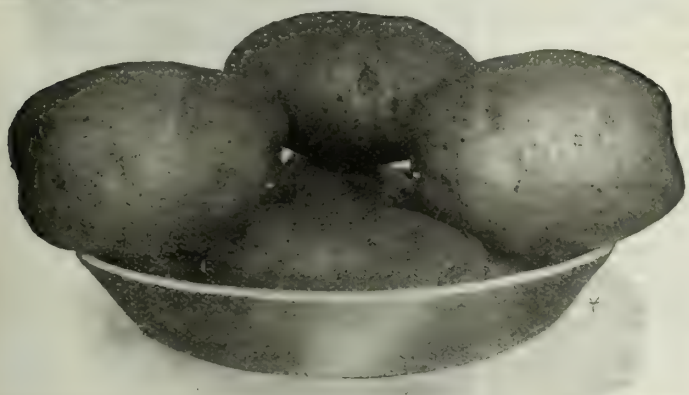
This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical.

By freight or express, ½ pk 35c, pk 65c, ½ bu $1.00, bu $1.90, bbl $5.25.

VERMONT GOLD COIN

This new sort has proven a very valuable potato, planted on loose soils, especially muck land. In clay or heavy situations its deep setting habit of growth is detrimental, and the crop is inclined to run undersized. The tubers are white with a slight streak of pink; size is large, slightly irregular, and in loam soils uniformly large size. The vines are vigorous and strong, and the tubers set deep in the ground. In quality it is equal to any and baked it is mealy and dry.

By freight or express, ½ pk 35c, pk 65c, ½ bu $1.00, bu $2.00, sack 165 lbs $5.25, 10 bu $18.00.



CARMAN No. 3

NEBRASKA

RURAL TYPES

CARMAN No. 3 One of the most popular of the Carman group of potatoes. A white, flat variety which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties do almost nothing. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years.

By freight or express, ½ pk 30c, pk 55c, ½ bu 95c, bu $1.85, sack 165 lbs $4.75, 10 bu $16.50.

RURAL NEW YORKER No. 2 The standard white market potato. It is very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **By freight or express, ½ pk 30c, pk 55c, ½ bu 95c, bu $1.85, sack 165 lbs $4.75, 10 bu $16.50.**

SIR WALTER RALEIGH An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality. **By freight or express, ½ pk 30c, pk 55c, ½ bu 95c, bu $1.85, sack 165 lbs $4.75, 10 bu $16.50.**

SWEET POTATOES

GROWN ESPECIALLY FOR SEED

We are prepared to furnish in quantity the best Sweet Potatoes that can be had for seed purposes being especially grown and selected for this purpose. We inspect carefully before shipment and forward nothing but sound Potatoes.

	¼ bu.	bu. boxed	Bbl.
Yellow Jersey Yellow Nansemond Early Carolina	$0.75	$2.00	$5.00
Red Jersey Red Nansemond Red Bermuda	1.00	3.00	6.00

Sweet Potato Culture, by James Fitz, postpaid for 50c.

SPECIAL POTATO FERTILIZER

This must be quick, lasting and promote healthy, firm growth of tubers. **Vaughan's Fruit and Root Crop Manure** will do this. **See Fertilizer Page 145.**

PUMPKIN

Plant one ounce to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn. Valuable for stock feeding as well as for the table.

Large Cheese Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow.

Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.

Mammoth Prize A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is one of the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room; (one plant to a hill) to reach its largest size.

Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 50c, lb $1.50.

OTHER GOOD SORTS

	Pkt.	oz.	¼ lb.	lb.
SMALL SUGAR Flat sort, good for the home garden	.05	.10	.20	.70
JAPANESE PIE Finest quality, good keeper	.05	.10	.30	.90
GOLDEN OBLONG Orange color. Flesh yellow, excellent flavor	.05	.10	.25	.80
SWEET POTATO Bell shaped. White flesh. Used for pies	.05	.10	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH Very large size	.05	.10	.30	.90
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.05	.10	.30	.90

VAUGHAN'S SUGAR PIE PUMPKIN

One of the very best of all Pumpkins for pies. The fruit is small to medium in size; flesh solid and fine grained; sweet and sugary. The seed cavity is small. A splendid keeper. **Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 80c.**

Calhoun Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

Winter Queen or Winter Luxury

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

Large Field or "Big Tom" The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt 5c, oz 10c, ¼ lb 15c, lb 45c, by express lb 35c, 10 lbs or more at 30c per lb.

NOTE—Our "Mammoth or Large Sweet" Crop Failed

VAUGHAN'S SUGAR PIE PUMPKIN

VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S RADISH

Vaughan's Cardinal Forcing and Giant Butter, see pages 6 and 7

VARIETIES

The radishes listed under the "Turnip Shaped Varieties" in this Catalogue are recommended to growers, in the full confidence that they can find nothing in the turnip radish line to surpass Vaughan's Strains of these varieties.

These extra early turnip shaped radishes grow best in a loose, rich soil; being early they have to mature quickly and must be given an opportunity to do so.

Your soil can be improved, if necessary, by applying some commercial fertilizer (see page 145) that is suited to the requirements of your land.

A succession of plantings about a week to ten days apart will give you a supply while later kinds are growing.

EARLY SCARLET GLOBE

For greenhouse or hot-bed forcing and for out-of-doors; the top is small and stands heat without becoming pithy; very early, mild, crisp and tender one of the most attractive, best selling radishes because of its handsome rich, bright scarlet color and because of its excellent quality a great favorite. It is ready in twenty-five days. Our stock of this is the very best, selected with great care as to size, shape, color and earliness, and market gardeners will find it a money-maker.

Those who have not yet tried this beautiful globe shaped, splendid selling radish, cannot do better than plant it the coming season. For family use this should be sown every ten days in order to always have a fresh supply. This sort is not desirable for hot summer planting, as it loses its shape; it is an early radish.

Vaughan's Selected Stock. **Pkt 5c, oz 10c, ¼ lb 35c, lb 90c, postpaid. By express 5 lbs $3.25, 10 lbs $6.00.**

Scarlet Globe Regular, Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

SCARLET TURNIP WHITE TIP—Vaughan's Selected Stock

Here is a popular radish for **outdoor** planting; it is deservedly popular because of its high standard of quality. This radish is bright scarlet with a white tip; the root is very slender. Our seed is most carefully grown from transplanted roots, and is just right in color, size and shape. The white on the tip is not quite so marked as our "Sparkler" strain, but is sharply defined. Many thousands of pounds of this seed is sold to the critical market gardener, and the evidence of their satisfaction with it lies in the repeat orders they send in for this strain. Our stock is the very best.

"Sparkler Strain"—Pkt 5c, oz 10c, ¼ lb 20c, lb 60c, 5 lbs $2.25.

EARLIEST CARMINE TURNIP

The best and quickest early, all scarlet turnip radish of wonderfully quick growth, maturing in about three weeks. The leaves are very short, particularly adapting them to forcing under glass; of superior flavor, crisp and tender. Skin deep crimson red, one of the best outdoor varieties for a home garden.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 80c.

EARLIEST WHITE TURNIP

Short Top (White Box) of quick growth; roots round, pure white; tails very thin; leaves short; flavor excellent. Fine for forcing and open ground.

Pkt 5c, oz 10c, ¼ lb 25c, lb 70c.

RADISH "CRIMSON GIANT"

This radish is **an entirely new type** and differs radically from all other varieties hitherto in cultivation. Its roots attain to **more than double the size** of those of other forcing varieties **without getting pithy or hollow.** It is very early notwithstanding its size. Color crimson, flesh pure white, of the best quality. Fine for outdoors and forcing. The seed should be sown very thinly to permit full development of the roots.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

TRIUMPH This is a unique and useful sort. The skin is handsomely striped and mottled, scarlet and white, making it very attractive. Very early with short top and good quality.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

EXTRA EARLY OLIVE SHAPED

Vaughan's "20-Day" Radish The quickest of all **Red Radishes. Quick growth** is one of the main essentials for a crisp and tender Radish. This matures in 20 days after sowing, which makes it one of the most valuable sorts for forcing or outdoor culture. The flesh is pure white, crisp and of very pleasant flavor; the skin is a most attractive bright scarlet. The leaves are very short, which admits of very close sowing.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 30c, lb $1.00.

Improved Breakfast Its color is very deep, glossy crimson. The white is well defined and contrasts very pleasingly with the deep red of the upper part. One of the best early radishes for family use.

Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

Earliest White This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

Any of the Following, Pkt 5c, oz 10c.

	¼ lb.	lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day	$0.25	$0.80
OLIVE YELLOW MAY. A new sort of fine quality	.20	.70
FRENCH BREAKFAST. Quick and handsome	.15	.70
MIXTURE. Of turnip and olive shaped varieties	.20	.60

SCARLET TURNIP WHITE TIP

OTHER KINDS

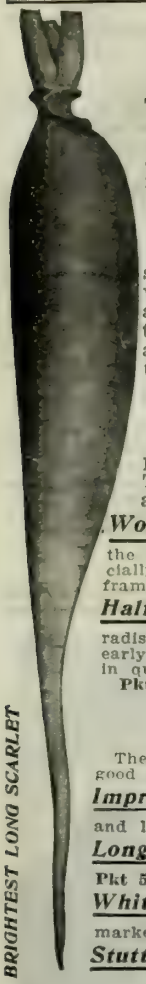
NE PLUS ULTRA. Rich scarlet turnip shaped, good forcer. Pkt 5c	$0.10	$0.25	$0.75
EARLY DEEP SCARLET TURNIP. An old standby	.10	.25	.80
YELLOW TURNIP. (A summer variety.)	.10	.20	.70
GOLDEN YELLOW SUMMER TURNIP. Smooth and fine skin	.10	.20	.70

IMPROVED BREAKFAST RADISH

VAUGHAN'S 20 DAY

RADISHES

Early Long Varieties



BRIGHTEST LONG SCARLET

ICICLE, The Finest White Radish

This, the finest of the white radish variety, has long slender pure white roots and they remain mild and crisp until they grow large. The tops are short, showing early maturing; also permits closer planting to be done. Many of our customers regard it as the finest radish they have ever grown. A succession is secured by planting every ten days. As a fine eating radish it is a great favorite because it is mild and crisp and white. **Oz 10c, ¼ lb 20c, lb 70c.**

BRIGHTEST LONG SCARLET

This is the earliest long Red radish and the handsomest. It resembles the "Long Scarlet" in shape, but is brightest scarlet color, with long snowy-white tips. This combination of brightest scarlet and snow white color makes it highly attractive and makes it also the best seller of any long radish on the market. In twenty-five days after planting it is usually fit for the table. It is an excellent sort for the home garden. **Pkt 5c, oz 10c, ¼ lb 25c, lb 70c.**

LONG SCARLET SHORT TOP

A standard variety of the long type of radish. The roots grow long partly above ground, straight, smooth and of bright rich scarlet color. The flesh is crisp and tender; this sort is well suited both for home and market use. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

Wood's Early Frame This is an early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

Half Long Deep Scarlet A half long deep scarlet radish; is grown much in the south for early shipment; is also good for forcing; in quality it is brittle and juicy. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

Vaughan's Market The best early half long white radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but of quicker growth; very smooth and regular in appearance with pure white skin. **Pkt 5c oz 10c, ¼ lb 25c, lb 75c.**

ICICLE RADISH

Cincinnati Market A long red radish, six to seven inches, with quite short top. This is a standard and is a market radish in a number of southern communities. Does well also in the North; of very desirable quality. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

SUMMER RADISHES

These grow larger than the early radishes and remain in good condition to eat much longer.

Improved Chartier Somewhat resembling brightest scarlet-early radish, it is double the size and later; long scarlet and tipped with white.

Long White Vienna Snow white very brittle and crisp. A beautiful long handsome radish of **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

White Strassburg Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

Stuttgart A turnip shaped, large white radish. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

WINTER RADISHES

Do not sow these until the latter part of June.

The Munich The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow quickly; have mild and delicious flavor. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00.**

Each of the following, Pkt 5c, oz 10c, except where noted.

	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER. Long, very large size	$0.20	$0.70
ROSE OR SCARLET CHINA. Rose color, medium size, fine keeper	.20	.60
CHINESE MAMMOTH OR CELESTIAL. The best of all very large white radishes. Immense size and the flesh always crisp and mild	.20	.70
BLACK SPANISH LONG. Black skin and white flesh	.20	.70
BLACK SPANISH ROUND. Similar to Long Black, except in shape	.20	.70
HALF LONG BLACK WINTER	.25	.75
LONG WHITE SPANISH. Similar to Long Black except color.	.20	.70
RAT TAILED RADISH. Seeds pods edible, **oz 30c.**		

RAMPION—A New Salad

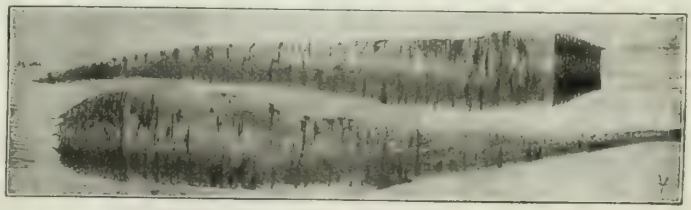
Both the roots and leaves make a delicious salad. **Pkt 10c ½ oz 15c, oz 30c, 2 oz 55c.**

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. The roots should be left in the ground to dry up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots and served either with or without cream gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

Mammoth Sandwich Island This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10.**

Long White Salsify The Old Standard. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10.**



SALSIFY, MAMMOTH SANDWICH ISLAND

SCORZONERA OR BLACK SALSIFY

Scorzonera, or Black Salsify Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt 5c, oz 15c, ¼ lb 45c.**

Improved Long Black (Black Salsify) This variety may be planted in the late spring, earlier than black salsify, without running to seed, the longer season thus permitting a considerable larger growth of root. **Pkt 10c, oz 20c.**

RHUBARB

Vaughan's Mammoth Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring fruit possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Seed Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00, postpaid.**

Chicago Giant This Rhubarb is the result of an expert's breeding for large stalks and small leaves. We have grown this for a number of years, and consider it the finest variety we have seen. **Pkt 25c, 3 for 65c.**

Rhubarb Roots Set in spring they will furnish leaf stalks the following season; clumps **each 15c, doz $1.50,** not prepaid. **Small roots each 10c, doz $1.00,** by mail, postpaid.

We can also supply for immediate effect extra large clumps **at 25c to $1.00 each.** These clumps are extra large and heavy and will be sent by express or freight at buyer's risk.

RHUBARB CULTURE, (The New)

A valuable comprehensive book. A complete practical guide; bound in cloth. 130 pages. Price.....50c postpaid.

VAUGHAN'S MAMMOTH RHUBARB

SPINACH, VAUGHAN'S TRIUMPH

This new Spinach is a very compact grower and withstands hot weather longer than other kinds. The plant is somewhat smaller than older sorts. In habit of growth it is prostrate instead of upright. The leaves are thick, warted and do not wilt or run to seed as quickly as the standard varieties. By its use, the Spinach season may be lengthened a whole month, similar to the so-called "Long Season" variety.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

SWISS CHARD—"The City Man's Garden"

This vegetable gives maximum returns for minimum space. Nothing in the garden requires less care and yet it yields a constant crop from July to winter. Also called "Cut and Come Again Spinach."

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 8 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family.

Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

Lucullus Swiss Chard A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00.**

Lyon Swiss Chard A new variety, selected especially for its broad mid-ribs and stems. **Pkt 10c, oz 20c.**

SPINACH

SOW 10 TO 12 POUNDS TO THE ACRE

VAUGHAN'S NORFOLK SAVOY

(Bloomsdale.) The plants are extremely hardy and of good size. The leaves are very thick and blistered. Its hardiness and thickness of leaf permit safe long-distance shipping. A great favorite with Southern Truckers. Our strain is carefully grown and has secured and kept the trade of the largest and best growers in the country. **Oz 5c, ¼ lb 15c, lb 35c, postpaid; by express, lb 25c, 5 lbs $1.00, 10 lbs $1.85.**

Victoria Of the true Savoy type; foliage, dense; leaves, broad and of dark green color; quality of the best. It is a heat resister, and remains in prime condition two or three weeks after all other varieties have run to seed. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. By express, lb 25c, 5 lbs $1.00 10 lbs $1.85.**

Extra Large, Round Leaf Large crumpled leaves. **Oz 5c, ¼ lb 15c, lb 35c, by mail. By express, lb 25c, 5 lbs $1.00, 10 lbs $1.85.**

Prickly Seeded Very hardy; good for fall sowing. **Oz 5c, ¼ lb 15c, lb 40c, postpaid.**

Long Standing Slow going to seed. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. 10 lbs $1.85.**

Monstrous-Leaved Viroflay Quick, strong growth; much used by New York truckers. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. 10 lbs $1.85, by express.**

New Zealand This sort is grown to supply the place of ordinary Spinach during the hottest months of the year, or in dry, arid localities, where ordinary Spinach does badly. The leaves are eaten boiled like those of other kinds. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

SORREL—Sauerampfer-Oseille

Of the easiest growth. Sorrel is cultivated for its leaves, which possess a very fine flavor; boiled and served like Spinach. It also makes a delicious soup. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.75.**

SWISS CHARD—Nothing Better for the City Garden

SQUASH, MAMMOTH WHITE BUSH

SQUASH

SUMMER VARIETIES

Plant Squashes in warm, light, rich soil and (about 8 or 10 seeds to a hill), afterward they may be thinned out to 3 or 4 vines.

MAMMOTH WHITE BUSH, Patty Pan

The old Early White Bush Scallop has long been the favorite early Summer squash. Mammoth White Bush is an improved selection only a few days later; it is considerably larger and deeper, has less scallops, saving waste, and produces more heavily. Peeled and sliced, then fried like an egg plant, this squash furnishes a most delicious dish. We have a very select strain.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

EARLY WHITE BUSH. The older, very early sort. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

MAMMOTH GOLDEN BUSH. Like the Mammoth White Bush; however, the fruits run a little larger and have a fine pale-yellow skin with creamy yellow flesh. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

BUSH FORDHOOK. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes, or stored before frost, in a warm dry place, furnish winter squash for table use until the next new crop is ready. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.00.**

FORDHOOK. Ripens early and is one of the best keepers we know of. Can be kept all through the Winter until June. Is very prolific, and nearly bug and borer proof. **Pkt 10c, oz 15c, ¼ lb 45c, lb $1.25.**

SQUASH — SUMMER VARIETIES

GIANT SUMMER CROOKNECK

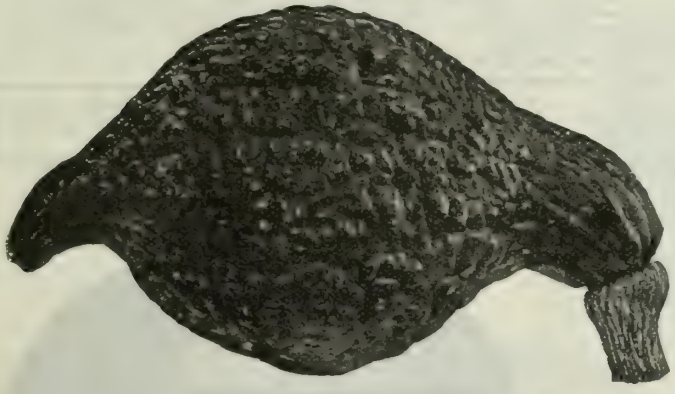
Our strain of this squash is a great improvement upon the standard, popular, yellow Summer Crookneck. It has nearly double the former size, runs more evenly as to type, and grows fruit in quantity on healthy, compact, bushy plants. The fruit is heavily warted, its flesh is of a deep golden color, and its quality is of the very best. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

SUMMER CROOKNECK

The old standard Crookneck variety, smaller in size than Giant Summer or Crookneck, otherwise similar. Very prolific. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

GIANT WHITE SUMMER CROOKNECK

This is a selection from the old Summer Crookneck, but is somewhat larger. The skin is ivory white, making a very attractive appearance, when this squash is grouped with other Summer vegetables. In quality it is tender, and well-flavored. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**



CHICAGO WARTED HUBBARD

BOSTON MARROW. A widely popular squash for Fall and Winter use. Rind thin, bright orange in color, flesh yellow, rich and sweet; form oval. A good keeper and unexcelled for pies. **Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.**

CHICAGO ORANGE MARROW. As large as the Hubbard, and of good quality. As long keeping as other sorts, yet ten days earlier. In season from September to January, and always saleable, because of its handsome shape, desirable size and smooth orange skin. It suits everybody. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

PIKE'S PEAK OR SIBLEY. A very vigorous and productive old standard variety. The fruits are large, oval in shape, the blossom end tapering. The color outside is dark green and inside the flesh is light yellow and of superior quality. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

DELICATA. Orange-yellow color splashed and striped with dark green. Quality is rich, dry and solid. Extra early, a good keeper and fine producer. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

FAXON'S BRAZILIAN. A great variety to sport; early, long keeping; average quality excellent. **Pkt 5c, oz 10c, ¼ lb. 30c, lb 90c.**

GOLDEN BRONZE. Of large size, 8 to 10 pounds, a grayish green color, flesh golden yellow; sweet, early and a good keeper; very uniform. **Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.**

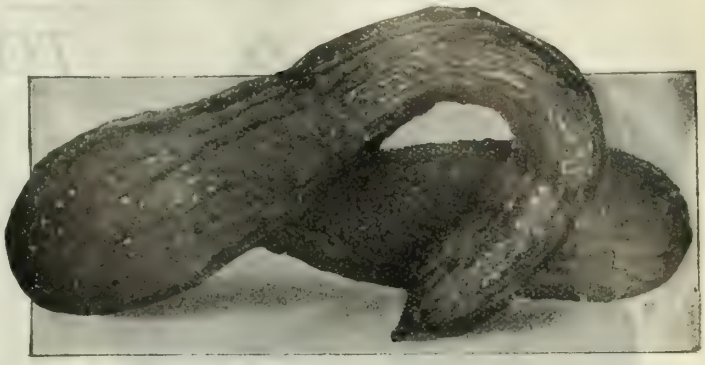
MARBLEHEAD. Light blue, olive shape, delicious flavor, sweet and dry, prolific. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**

ESSEX HYBRID. Large fruits, broad; large neck or Turk's cap at its blossom end. Good for Fall or Winter. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

VEGETABLE MARROW

This is a most important vegetable in the English market but little known in this country. The fruit is generally eaten when less than half grown as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. **Pkt 10c, oz 15c, 2 ozs 25c.**

The preparation of Vegetables is a science well worked out by the good housewife. Properly and improperly served vegetables means the difference between a delicious, appetizing and palate tickling dish and an insipid, flat, tasteless mass of food. Many people do not care for squash because they have never had it properly cooked. Vaughan's Vegetable Cook Book gives many hints for the preparation of vegetables for the table, including ten ways of serving squash. Free if asked for with order of $2.00 and over, or 25c postpaid.



VAUGHAN'S GIANT SUMMER CROOKNECK

STRAIGHTNECK

This variety has gained an advantage in shipping over the summer Crooknecks, which have always been difficult to pack for distant markets, while in size and quality it compares favorably with any of its class. A desirable sort for gardeners distant from markets. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

WINTER VARIETIES

CHICAGO WARTED HUBBARD

In growing the original green Hubbard on a large scale for market, it was found the largest, heaviest, dark, rough-skinned specimens were the most valuable, and most saleable. Because of this fact, selections of such fruits were made and the result is our selection of Chicago Warted Hubbard Squash. (See type illustrated on this page.) This strain is the ideal winter squash for the home market. Vines have a strong, robust growth; fruits are large, of handsome shape, heavily warted and of a dark green color; flesh is rich and dry, two fine qualities for cooking.
Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10, 5 lbs $4.75, 10 lbs $9.00.

ORIGINAL HUBBARD

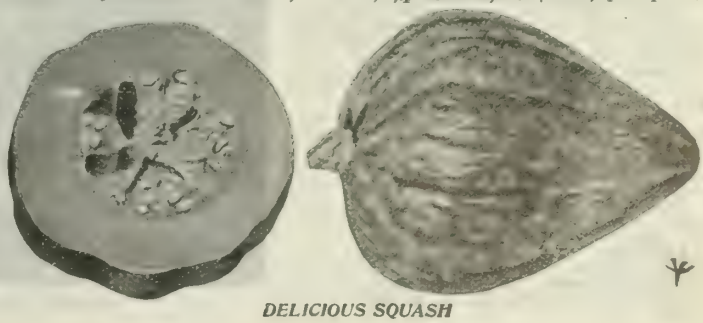
This handsome variety is probably the best known and the most popular of the winter squashes. It is similar in both shape and quality to our Chicago Warted Hubbard, although it does not average quite so large in size. The fruits have a dark green skin and often weigh as high as twenty pounds. The flesh is a bright orange in color, fine grained, of superior flavor, dry and thick. For keeping qualities our Hubbard has no superior as properly stored they can be sold in good condition until spring. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10, 5 lbs $4.75.**

GOLDEN HUBBARD

For the private gardeners this is the best of the Hubbards. The fruits are of the same shape as the green and warted type but average one-half to one-third less in size, and although earlier in season, keep in excellent shape through the winter. The skin is bright deep orange-yellow, very showy and attractive. Flesh, deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry and is of rich flavor.
Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.

THE DELICIOUS—For Quality

For table use no squash compares with this in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, being excellent at all seasons, though it does not acquire its best quality until winter. The fruits vary somewhat as to shape and size, but usually weigh from five to ten pounds. The rind is uniformly green, the flesh dark orange and very thick. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00,** postpaid.



DELICIOUS SQUASH

EARLIANA
The Best Red Extra Early

TOMATOES — Extra Early Varieties

EARLIANA—The Most Popular Extra Early Red

It is the earliest, large, smooth, red tomato. Although in season it ripens with the very first Earliana, at the same time it is of good size, a handsome bright red color, and our strain is smooth, showing almost none of the rough fruits found so numerous in other early sorts and many strains of Earliana.

In habit of growth the variety is compact, with stout jointed branches. The vines yield well and the fruit is solid and of good quality. In many southern tomato shipping sections Earliana is planted almost exclusively. As it is very important to have this variety right, a few days in season or an inferior product meaning the difference of profit or loss with our market customers, we raise this crop under our direct supervision.

Pkt 5c, oz 25c, 2 oz 45c, ¼ lb 75c, lb $2.50.

JUNE PINK—THE BEST EXTRA EARLY PINK

The earliest Pink Tomato. Similar in habit to the famous Earliana except in color, which is pink instead of red; the pink color being most desirable in most markets.

By careful selection this variety has been bred up so there is small loss from rough fruits and gardeners in the West, where a pink tomato only sells readily, find it an extremely profitable sort to grow for early market. The fruits are of fair size and good quality. The vines ripen evenly and the whole crop may be harvested in a short period.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $3.00.

THE HUMMER

A new second early of the globe or ball shaped type. This form of fruit causes no waste in preparation for the table. The Tomatoes are of medium size, crimson scarlet in color, very smooth, free from cracks, and seldom rot. This variety has heavy foliage and should be started up or grown on trellises.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.

VAUGHAN'S EARLIEST OF ALL

This is the earliest tomato we have ever planted, and may be used in the North where there are poor hot bed facilities for growing plants. Where other varieties can be used, this is not particularly desirable, on account of its small size and roughness, wherefore, it cannot compete in appearance with other varieties. Plants are dwarf, robust and quite prolific. Fruit of good quality.

Pkt 10c, ½ oz 15c, oz 30c, ¼ lb 85c.

CHALK'S EARLY JEWEL

The largest and smoothest of the extra early red tomatoes. Somewhat later, a week or ten days, than Earliana. The fruits are larger and smoother. The vines grow very compactly, are immensely productive, and better still, bear continuously throughout the season, in which respect it far surpasses Earliana. Quite similar to Bonny Best.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.

TOMATO PLANTS

We have ready about May 15th carefully grown plants of the following varieties: Acme, New Stone, Dwarf Stone, Dwarf Champion, Ponderosa, Beauty, Globe, and others. Three sizes—seedlings from the hot beds; transplanted plants from flats; and 2-inch pot plants. For prices see page 144.

DWARF VARIETIES

The dwarf or tree tomatoes are good yielders yet require no staking and are therefore particularly desirable for the home garden.

DWARF STONE TOMATO

This is the largest Dwarf Tomato in existence. In habit of vine it resembles the Dwarf Champion, but is of stronger growth and is more erect. The fruit is similar to the Tall Stone in color (red), shape and practically in size. Specimens weighing one pound each are quite common. The season is fully as early as the Dwarf Champion, but the fruits are double the size. On account of its being of dwarf habit, for the amateur, who is not used to training vines, this is a most desirable sort. The fruit is free from cracks at the stem end, solid, ripens evenly and is of excellent quality. **Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $3.00.**

Dwarf Aristocrat This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet color which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.**

VAUGHAN'S MODEL TOMATO

A handsome dwarf tree variety; large size; scarlet color; early and of the best quality. Sure to please in the home garden.

Pkt 10c, ½ oz 20c, oz 30c, 2 ozs 50c.

FORCING VARIETIES

Sunrise. Rich scarlet, medium size, solid delicate flesh. Very prolific. In our opinion the best for growing under glass. **Pkt 15c, ½ oz 40c.**

Comet. Scarlet color. Fruit medium and the heaviest yielding of greenhouse sorts. **Pkt 15c, ½ oz 30c.**

Hubert's Marvel. Scarlet color, round like an apple. Best size for stuffing. **Pkt 15c, oz 35c.**

Best of All, Sutton's. One of the old standard and very good yielder of small scarlet fruits. **Pkt 10c, ½ oz 25c.**

Frogmore Select. Almost round, small seed cavity, bright red color, an old favorite. **Pkt 15c, ½ oz 25c.**

Lorillard. One of the best known and popular kinds. **Pkt 5c, oz 25c.**

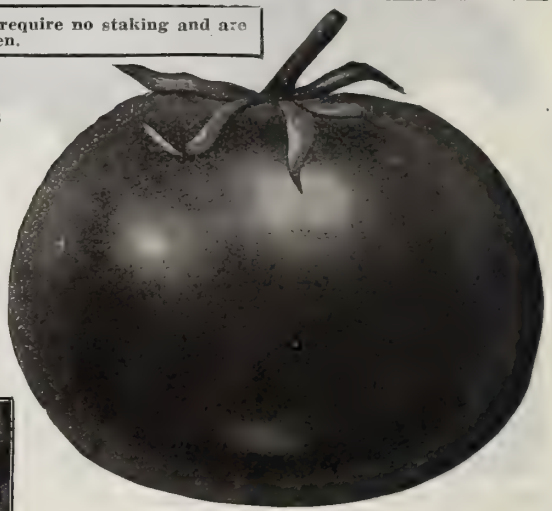
Sterling Castle. Small size, uniform and very productive. **Pkt 25c, ½ oz 40c.**

EARLY DWARF CHAMPION

A great favorite on account of its dwarf habit and upright, tree-like growth, which permits close planting. The fruit much resembles the early main crop variety Acme; medium size, the color being a purplish pink, very smooth and symmetrical, fine quality and very solid meated. The vine growth is very strong and stiff, so that it needs almost no support. We cannot recommend this sort too highly for the home gardener.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.

DWARF STONE



DWARF CHAMPION

POPULAR SECOND EARLIES

Acme An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for the amateur. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties.

Pkt 5c, oz 20c, ¼ lb 70c, lb $2.25.

Cream City This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

Early Michigan An excellent, uniform early red sort. First fruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

Early Detroit The new early main crop Purple variety, one of the best. See page 8. **Pkt 10c, ½ oz 20c, oz 30c, ¼ lb $1.00, lb $3.50.**

IMPROVED STONE—The King of Reds

TOMATO SEED
NEW CROP

Our seed is saved entirely by seed growers who grow for seed only. There is no better quality.

VAUGHAN'S IMPROVED NEW STONE

This is by far the best of all the main crop red varieties and is aptly termed the "King of the Reds." Its smooth, small cored, almost "beefy" scarlet Tomatoes are not equalled by any other variety in appearance, size or largeness of yield. New Stone is grown by gardeners almost exclusively as a main crop sort where markets demand a red Tomato. In canning almost no other sort is used. Our strain has been carefully selected for heavy yielding vines and smooth fruit.

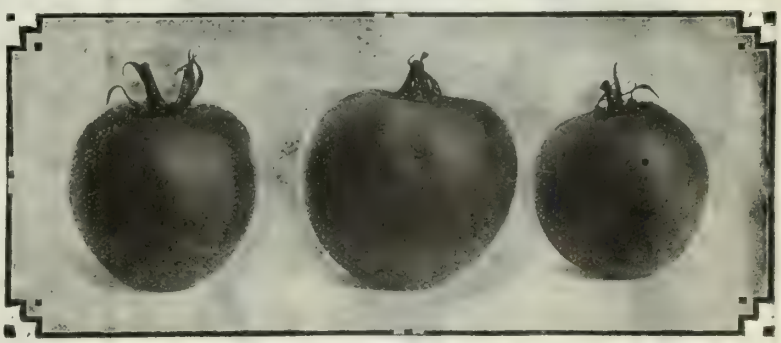
Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 70c, lb $2.25.

NEW GLOBE—A New Ball-Shaped Type

This globe or ball-shaped Tomato is as near an ideal home garden sort as can be found. The shape is something new and is particularly good for slicing, leaving very little waste, one slice like another. The vines ripen their first fruit along with the second earlies; they yield a heavy crop and continue bearing until frost. In color the large fruit are a glossy rose; the flesh is firm, has very few seeds and possesses the very finest tomato flavor and piquancy.

At first this variety showed a considerable percentage of flat fruit, but by careful selection the variety now has been improved so that there are very few off vines.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $2.75.



NEW GLOBE TOMATO

PONDEROSA—The Giant Tomato!

This is the largest-fruited Tomato and is of fine quality for slicing. The vines are of strong growth; fruits largely oblong in form, deep through, and generally ridged or ribbed; deep purple in color. They are solidly fleshy, with small seed cells; of fine sweet flavor. Planted in good soil, pruned to a single stem, fruits frequently attain a weight of one pound or more.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.25.

TALL CHAMPION TOMATO

An unusually strong, rank grower and a heavy bearer. The fruits resemble the Dwarf Champion in color and smoothness, although they run a little larger in size. Fair average size of the fruit is 2¼ inches thick and 3¼ inches broad. Very hardy. It is also extremely prolific and certainly one of the most desirable sorts for the private garden and market use.

Pkt 5c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 75c.

BEAUTY

The Most Popular and Best Known of the Large Purple Sorts. Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, color of skin purplish pink; flesh light pink and of excellent flavor. **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 70c, lb $2.25.**

Matchless This is a very large fruited and long keeping bright red Tomato. The fruit remarkably solid and is produced in quantity on strong, vigorous vines. A very distinct and desirable variety.
Pkt 5c, oz 20c, ¼ lb 75c, lb $2.25.

Enormous Exceptionally large, also unusually smooth, with solid meat and few seeds. It is oval in shape rather than round. Medium in season, and ripens all through the fruit at once. Deep red. The fruits are very large—the vine, however, is not so productive as Matchless. **Pkt 10c, oz 25c, 2 ozs 45c, ¼ lb 75c, lb $2.50.**

***Husk* (or Strawberry).** The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for eating, preserving, or making pies.
Pkt 5c, ½ oz 15c, oz 25c.

SMALL FRUITED TOMATOES

The fruit of these are largely used for making fancy pickles, preserves, etc. The plants are extremely productive.

SINGLE CLUSTER OF PONDEROSA—Largest Fruited

TOMATO CORELESS

A late red Tomato and the most perfect shaped variety yet produced. Requires a long season to mature and is best suited for the Southern and Central States. When bearing the variety is immensely productive, yielding large clusters of four to seven fruits. A fine late sort for markets that like a red tomato, for the home garden and canners.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $2.75.

***Crimson Cushion* or Beefsteak Tomato.** Fruit very large, round and regular; bright scarlet color, flesh solid and of best quality; cells small and few in number. The plants are very productive. The fruit is of fine form and appearance, and will stand shipment well. **Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.25.**

Magnus A purple fruited, distinct, early main crop variety. Strong grower with short joints, setting the fruit clusters very close together, and is, therefore, a heavy cropper. Fruits are very thick, many of them being almost globe shaped. Ripens evenly. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

Two Peach Tomatoes. They resemble a peach in shape and color. They are eaten raw or preserved. Each Red or Yellow.
Pkt 10c, ½ oz 20c, oz 35c. Both kinds, mixed, **pkt 10c, 3 for 20c.**

Yellow Plum. The fruits average two inches in length and one inch in diameter, of a bright lemon-yellow; are solid, fleshy and of excellent flavor. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.75. Red Plum,** same as **Yellow Plum,** except color, same price.

Yellow Pear. Similar to the **Yellow Plum,** but the fruits have a distinct pear shape. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.75.**

Red Pear-Shaped. The larger red type of the above.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c.
Red Cherry. Little fruits of a bright scarlet color.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c.
Red Currant. Very small. **Pkt 5c, ½ oz 15c.**

OTHER WELL-KNOWN STANDARD VARIETIES
Per pkt. 5c, of any of the following:

	½ oz.	1 oz.	¼ lb.	1 lb.
Atlantic Prize. Standard Early Red	$0.12	$0.20	$0.60	$2.00
Buckeye State. A very large late purple	.12	.20	.60	2.00
Early Freedom. Very early smooth	.12	.20	.60	2.00
Favorite. Large, early and smooth, color bright red, good shipper	.12	.20	.60	2.00
Golden Queen. Rich deep yellow	.12	.20	.60	2.00
Honor Bright. Best shipper; large and good quality	.12	.20	.60	2.00
Imperial. Large early purple variety	.12	.20	.60	2.00
Perfection. Very solid flesh; blood red color; late; a favorite variety	.12	.20	.60	2.00
Trophy. An old standard; late	.12	.20	.60	2.00

Garden TURNIPS and RUTABAGAS

CULTURE
Sow in July or August on new land 1 oz. to 150 ft. of drill. Drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.

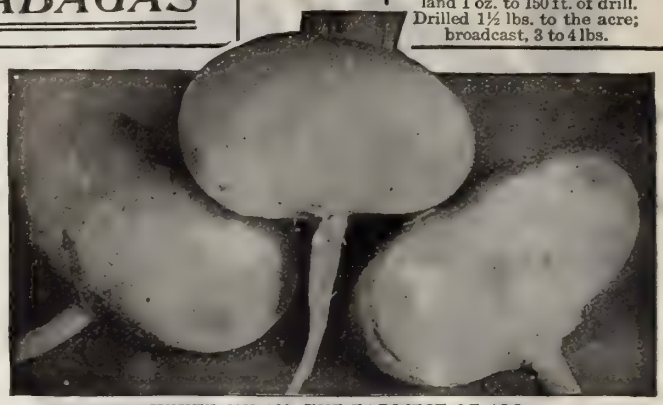
WHITE FLESHED VARIETIES.

White Milan. **The Earliest of All.** The earliest turnip, and the best quality in its class. A fine snowy-white color. The skin is so smooth and neat as to seem polished. The foliage is short. Size medium, and the flesh is white, tender and smooth grained. Can be used Spring or Fall. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.10.**

PURPLE TOP MILAN. Almost the same in season as the White Milan. Size is medium; shape flat; skin very smooth. The surface color is white with a purple white top. White flesh of good quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY PURPLE TOP, Strap Leaved. This is an early variety, about a week later than Milan, and a great favorite for table use; form flat, like a broad disc in shape, and of medium size. Color, purple or dark red above ground, white below; flesh white, fine grained and tender; leaves few, entire, upright in growth; a good keeper. **Postpaid, pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, lb., 40c; 5 lbs., $1.75; 10 lbs., $3.50.**

EARLY WHITE FLAT DUTCH. A most excellent early garden variety and largely used in the southern states. Roots medium sized, flat, color white, very early, sweet and tender. It is desirable for table use, but is spongy and inferior when overgrown. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**



WHITE MILAN, THE EARLIEST OF ALL.

PURPLE TOP WHITE GLOBE.

PURPLE TOP WHITE GLOBE.

This is the most popular of all market turnips. It originated from the purple top, flat turnip. The shape is globular and of good size and in appearance it is the best looking of all varieties, the white globe surface having an uneven purple edging at the top. The flesh is firm, fine grained, white, and of most excellent flavor. It is a fine keeper, equally desirable for table and stock. An immense producer. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, lb., 55c; 5 lbs., $2.65; 10 lbs., $5.00.**

White Egg. A quick-growing, egg-shaped, perfectly smooth, pure white variety, growing half out of the ground, with small top and rough leaves. The flesh is very sweet, firm and mild, never having the rank, strong taste of some white varieties. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

COW HORN or LONG WHITE. A pure white variety with a slight shade of green on the skin at the top. In form like a carrot, and is usually slightly bent. It grows nearly half way out of the ground. The table quality is the best, and it is a rapid grower. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

RHODE ISLAND ROCK. A great improvement on the White French Turnip, made after years of selection by a Rhode Island market gardener. It is fully three weeks earlier than any other turnip of its class, and can be planted later to follow such crops as peas, corn, beets, etc. It is very hardy and solid, flesh pure white, fine grained, brittle and sweet. Excels all other turnips as a keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

EARLY SNOWBALL. Small, rapid grower; white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE NORFOLK. Globular, late, solid. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE. Large, good for both table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SEVEN TOP. A variety much grown in the South for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW FLESHED VARIETIES.

Golden Ball or Orange Jelly. A medium sized globular Turnip. The season is early; flesh a golden yellow, of fine texture, very sweet and nice for table. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Yellow Stone. A popular yellow fleshed variety of round shape, somewhat flattened. For table and market it is one of the best, being of excellent quality and a good keeper. Also good for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW ABERDEEN. Large globe shaped yellow variety; excellent for keeping. Good for both table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LARGE YELLOW, or AMBER GLOBE. Large; of excellent quality, and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEDES OR RUTABAGAS.

These require a longer season than Turnips do. For table use, they usually keep better and are slightly better flavored than the Turnip. They are also an excellent crop to raise for cattle feeding, yields are heavy and the feeding value high. See page 24 for other stock roots. This crop should be sown from the 1st to the middle of July.

Vaughan's Improved. From stock of a purple-topped variety of the largest size, best shape, with small neck and smooth skin; good cropper and keeper. Excellent table quality. Also one of the best sorts for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.60.**

VASSAR.

This is a yellow fleshed selection of the White Breadstone Rutabaga and is a very desirable variety for late Fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the Summer if stored in a good cellar. Pkt., 10c; oz., 15c; ¼ lb., 25c.

LAINGS. Large, early, purple top, yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

SKIRVINGS. Large size and yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

BREADSTONE. Medium sized, white roots. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

Hurst's Monarch. Yellow fleshed and oblong in form. Flesh solid, fine grained, and of the best flavor. For earliness, quality and weight, it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other Swede, while the large percentage of saccharine matter contained in the roots makes it very nutritious to cattle. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

WHITE SWEDE. Flesh white and solid. Large size. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

SUTTON'S CHAMPION. Wonderful yielder, spherical yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

VAUGHAN'S IMPROVED RUTABAGA.

THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong

⊙ ***Annuals*** These attain full growth from seed, flower and die the first year.

⊙ ***Biennials*** These grow from seed the first year, bloom and die next, though some varieties bloom the first year if sown early.

Greenhouse Plants Start inside and cultivate in pots or else transplant outside when all danger of frost is over.

♃ ***Perennials*** These last for several years, blooming annually after the first season, though some varieties bloom the first year if sown early.

Stove Plants To be grown inside all year. For pots only.

§ ***Climbing Plants*** Climbers.

VAUGHAN'S GENERAL FLOWER SEED LIST

50 **ABOBRA Viridiflora** ♃ § 15 ft. A rapid growing climbing gourd with scarlet, cherry-like fruit and dark green foliage. Pkt 10

55 **ABRONIA Umbellata Grandiflora** ⊙ 6 in. Very pretty trailing Sand Verbena, with numerous clusters of sweet scented rosy-lilac flowers. Does well in poor soil. 1oz 15c.. 5

58 **ABRUS Precatorius** § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing.....1 oz 15c.. 5

62 **ABUTILON Royal Prize** 3 to 4 ft. Flowering Maple. Beautiful little bushes covered with bell-shaped flowers dotted and veined 15

63 **Good Mixed**..... 10

70 **ACACIA Lophanta Speciosa** 6 ft. Handsome greenhouse shrub. Yellow flowers and feathery foliage. Soak seed in warm water before sowing..... 10

71 **Mixed**.....1 oz 20c.. 5

76 **ACANTHUS Latifolius** ♃ 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants.....1 oz 15c.. 10

77 **Mollis** 2 ft. Similar to the above; more graceful. 1 oz 15c.. 10

82 **ACHILLEA The Pearl** ♃ 3 ft. From spring until frost covered with heads of purest white flowers; very double. Useful for cut flowers. Sow seeds early..... 10

86 **ACONITUM Napellus** ♃ 3 ft. Monkshood. Long spikes of curiously shaped blue flowers. Plant in shrubbery or shady places of the garden. Seeds germinate slowly..¼ oz 25c.. 5

87 **Napellus Flore Albo** White..... 10

92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing lovely rose pink flowers, which, when cut in the bud state, can be dried and used for winter bouquets. 5

93 **Roseum Flore Albo** White.....¼ oz 10c.. 5

94 **Mixed**.....¼ oz 15c.. 5

100 **ADENOPHORA Potaninii** ♃ 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August.... 10

105 **ADLUMIA Cirrhosa** ♃ § 15 ft. Known as the Allegheny Vine. The feathery foliage is like the Maidenhair Fern. The flowers are tube-shaped, delicate rose pink and white, and cover the plant. For covering trellises, stumps of trees, etc., it is very desirable..... 10

108 **ADONIS Aestivalis** ⊙ 1 ft. Flos Adonis. Pretty little plant with feathery fresh green foliage, dotted with innumerable small blood-red flowers.....1 oz 10c.. Pkt 5

110 **Vernalis** ♃ 18 in. Flowers of bright yellow..½ oz 15c.. 5

115 **AGAPANTHUS Umbellatus** 1 ft. Blue Lily of the Nile.. 10

120 **AGATHEA Coelestis** ♃ 1 ft. Blue Daisy. Sky blue flowers with yellow disk. Fine winter bloomer..... 10

AGERATUM ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a low mass of charming blue or white.

121 **Mexicanum Coeruleum** 18 in. Blue.....¼ oz 10c.. 5

122 **Album** White.....¼ oz 10c.. 5

123 **Mixed**.....¼ oz 10c.. 5

124 **Nanum Blue Perfection** 9 in. The darkest Ageratum grown from seed.....¼ oz 25c.. 10

125 **Imperial Dwarf** Blue. 6 in. A good plant for the ribbon border.....⅛ oz 15c.. 5

126 **Imperial Dwarf** White.....⅛ oz 15c.. 5

127 **Little Blue Star** 4 to 5 in. A handsome variety, different from all other dwarf sorts. The tiny bushy plants are filled with clusters of flowers of light blue with dark red center, changing to pure light blue..... 15

128 **Princess Victoria Louise** 6 in. This is the prettiest of the dwarf Ageratums. It grows in dense bushy plants covered with lovely sky blue flowers with white centers.. 10

129 **Lasseauxi** 3 ft. Plants grow vigorously and produce their.. soft pink flowers the entire summer..... 10

135 **AGROSTEMMA Coeli** ⊙ 1 ft Rose of Heaven..½ oz 15c 5

136 **Flos Jovis** ♃ 1 ft. Beautiful pink flowers...½ oz 15c.. 5

139 **Coronaria Varieties Mixed** "Mullin Pink" 1 to 2 ft.... 5

Allegheny Vine see Adlumia.

150 **ALONSOA Warscewiczi** ⊙ 2 ft. A fine plant with orange scarlet flowers, suitable for bedding. A sunny spot should be chosen. Fine for cutting..... 10

Aloysia see Lemon Verbena.

Althaea Rosea see Hollyhock.

ALYSSUM ⊙

Benthami Maritimum, Sweet Alyssum

159 This is one of the finest annuals we have and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and blooms until frost. It is a neat, thrifty, healthy grower and should be cultivated by every one who wants an all around good plant. Sow the seeds wherever the plants are to remain. If too thick, thin out. To prevent sowing too thickly mix the seed with sand before sowing. .....1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c.. Pkt 5

Vaughan's Little Gem

160 This should really be called the "Snow-white carpet plant," for the plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other flower which is so particularly well adapted for borders, ribbons, etc., as our "Little Gem" Alyssum. The plants commence to bloom when quite small, and will flower all summer long until late in the fall. This habit, with its fragrance, makes it indispensable. 1 oz. 75c; ½ oz. 40c; ¼ oz. 25c..... 10

164 **Saxatile-Basket of Gold** ♃ 12 in. Flowers brilliant golden yellow, completely hiding the foliage. Desirable for rock work and quite showy in masses....¼ oz 15c.. 5

AMARANTHUS ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty.

170 **Atropurpureus** 4 ft. Beautiful dark purple flowers.... 5

171 **Caudatus** 3 ft. Love lies bleeding. Blood red, drooping. 5

172 **Salicifolius** 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit..... 5

173 **Tricolor Splendens-Joseph's Coat** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil..... 5

180 **Fine Mixed.** All the above and many others. 1 oz. 25c. 5

190 **AMBROSIA Mexicana** ⊙ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant..... 10

194 **AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil.....½ oz 15c.. 5

198 **AMPELOPSIS Veitchi** ♃ § The well-known Boston Ivy. See description on plant pages.....½ oz 15c.. 5

200 **ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Bushy plants, rich Browallia-like flowers 1 in. across, ⅛ oz 10c..... 5

205 **ANCHUSA Capensis** ⊙ 2 ft. Cape Forgetmenot. A rare and little known annual of great beauty which will thrive where scarcely anything else will grow, ½ oz 20c..... 5

206 **Italica Grandiflora, Dropmore Variety.** Stems covered from May to August with numerous wide star flowers of intense blue, of great decorative effect in beds or borders.. 25

ANEMONE Wind Flower ♃

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Fine for bouquets. Pkt

210 **Coronaria Mixed Colors** 10 in. (Poppy Anemone).... 5

211 **Coronaria St. Brigid's Strain.** Double and Single Mixed 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors..... 15

212 **Pulsatilla** 10 in. Blooms in May. Flowers violet or purple; fine for rockery..... 10

213 **Sylvestris** 1½ ft. One of the most satisfactory for the border, flowers large, cup-shaped, pure-white..... 10

225 **ANTHEMIS Kelwayi** ♃ 2 ft. A most satisfactory plant, bearing all summer, daisy-like golden-yellow blossoms, excellent for cutting..... 10

228 **ANTIGONON Leptopus** ⌂ § Mexican Mountain Rose. 5

ANTIRRHINUM MAJUS GRANDIFLORUM ⊙ 18 in.

Giant Fragrant Snapdragon

(See front cover page for illustration.)

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. Spring-seedlings bloom by midsummer, and if the flowers are cut freely the flowering is continuous till Fall. If intended for winter flowering in the house, cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated like an annual and sown every year.

240 **Album** White..... 10

241 **Queen Victoria** 3 ft. The best tall growing white..... 10

242 **Luteum, Golden King**..... 10

243 **Lovely** Delicate rose with pink lip..... 10

244 **Delicata** Daybreak Pink..... 10

245 **Rose**..... 10

246 **Coral Red**..... 10

247 **Crescia** Scarlet..... 10

248 **Brilliant** Variegated..... 10

249 **Butterfly** Striped..... 10

250 **Firefly** Scarlet and White..... 10

260 VAUGHAN'S SPECIAL **VAUGHAN'S SPECIAL MIXTURE** of Giant Snapdragons includes all the above and many others, 1 oz. $1.25; ¼ oz. 45c; ⅛ oz. 25c..... 15

261 **Majus** Tall sorts mixed, 1 oz. 40c; ¼ oz. 15c..... 5

MAJUS NANUM, Dwarf Sorts

265 **Snow Queen** 8 in. Splendid for pots and edging. Beautiful white flowers all summer..... 10

266 **Queen of the North** 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet..... 10

267 **Aurora** 18 in. A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast.. 10

268 **Fireball** 15 in. The color is the most dazzling scarlet. 10

269 **Black Prince**..... 10

270 **Dwarf Sorts Mixed**.....¼ oz 20c.. 5

AQUILEGIA COLUMBINE

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⊙⊙ ***Biennials*** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year if sown early.

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♃ ***Perennials*** These last for several years, blooming annually after the first season, though some varieties bloom the first year if sown early.

Stove Plants To be grown inside all year. For pots only.

§ ***Climbing Plants*** Climbers.

ASTER—DWARF QUEEN

ASTER—VAUGHAN'S FIREBALL

AQUILEGIA ♃ Columbine

Pkt

Charming hardy plants, bearing in countless numbers through May and June exquisite clear blue, white, rose, yellow, purple and striped blossoms. For planting in permanent borders or edges of shrubbery this old-fashioned favorite is one of the best. They thrive well with ordinary garden culture, but such sorts as A. Chrysantha and A. Coerulea do best in partially shaded nooks. Few hardy perennials are so easily grown from seed.

310 **Canadensis** 18 in. Scarlet and yellow.....⅛ oz 15c.. 5

312 **Chrysantha** 3 ft. Golden yellow, long spurred ⅛ oz 15c.. 10

313 **Chrysantha Fl. Pl** 3 ft. Double golden yellow flowers.. 15

314 **Chrysantha Grandiflora Alba** 3 ft. White spurred columbine. Large flowering, pure white, long spurs.... 10

320 **Coerulea** Rocky Mountain Columbine, 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue, petals, white.....⅛ oz 25c.. 10

321 **Coerulea Hybrida** 2½ ft. Haylodgensis. Large flowers, long spurred hybrids.....⅛ oz 30c.. 10

322 **Coerulea Rosea Rose Queen** 2½ ft. The plants produce on long slender stalks in great profusion, beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate and beautiful combination of colors.... 15

326 **Glandulosa Vera** 2 ft. Sometimes has 50 blossoms over 3 in. in diameter, of the deepest blue, with pure white corolla 10

327 **Helenae** 2 ft. The flower stalks bear large flowers of rich deep blue with a white corolla..... 10

328 **Nivea Grandiflora** 15 in. Large pure white..... 5

329 **Vervaeneana Atroviolacea Plenissima** Double violet 5

333 **Vulgaris Alba Plena** 2 ft. Double white flowers, fine for cutting and the wild garden.....¼ oz 15c.. 5

334 **Vulgaris Single Mixed** Many varieties.....¼ oz 10c.. 5

335 **Vulgaris Double Mixed**.....¼ oz 15c 5

340 **Vaughan's Special Mixture** Includes all the above mentioned varieties and will produce a magnificent bed of these desirable hardy plants..... 25

351 **ARABIS Alpina** ♃ 6 in. One of the earliest flowers to bloom in the spring. The flowers resemble Sweet Alyssum, are deliciously fragrant and completely cover the plant. Fine for rock work.....1 oz 80c, ¼ oz 25c.. 5

355 **ARCTOTIS GRANDIS** ⊙ 2 ft. A handsome annual from Africa, growing luxuriantly and forming profusely branched bushes. Its flower heads, borne on long stems, are 3 in. across, pure white on the upper surface, reverse of petals being pale lilac..... 10

360 **ARISTOLOCHIA Sipho—Dutchman's Pipe** ♃ § 30 ft. 30 seeds..... 10

365 **ARMERIA Formosa** ♃ 16 in. A very pretty edging plant bearing large tufts of rosy pink flowers nearly all summer.. 10

366 **Maritima** 10 in..... 5

370 **ARTEMISIA Annua** ⊙ 5 to 6 ft. Ornamental foliage plant. 5

376 **ASCLEPIAS Tuberosa** ♃ 2 ft. One of the showiest of our native perennials and producing from July until frost compact umbels of brilliant orange flowers..... 10

384 **ASPARAGUS Plumosus Nanus** ⌂ 3 ft. Lace fern. Most popular house plant today. The bright green sprays surpass the Maiden-hair fern in grace and delicacy of texture. The hard seed need soaking and bottom heat to sprout them. Vaughan's Greenhouse grown seeds of this are most reliable. 100 seeds $1.00; 50 seeds 60c; 25 seeds 35c; 7 seeds..... 10

385 **Sprengeri** ⌂ Excellent for hanging baskets, 100 seeds, 40c; 50 seeds 25c; 15 seeds..... 10

389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers..... 5

390 **Odorata** ♃ 6 in. Waldmeister. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine. Best grown among shrubbery, in semi-shaded positions where it can remain undisturbed..... 10

ASTERS ⊙

This grand old fall favorite of our grandmother's garden still continues to beautify our garden. By gradual selection this plant now blooms from early summer until frost and its usefulness as a cut-flower is unlimited. Sow either in the open ground in May or in March or April in cold frame, spent hot-beds or pots or boxes in the house, covering the seed with about ¼ in. of good rich soil; when the plants are strong enough transplant about 18 in. apart in deeply dug, well prepared beds. Asters must not be planted in freshly manured soil nor in soil that has been planted to asters for two or three years previous. Unslacked lime or fresh wood ashes are beneficial if stirred in the soil a little before planting and are said to counteract the ravages of the aster blight. A few soakings with tobacco water around the roots during the growing season is also recommended.

DWARF SECTION Up to 10 in.

400 **VAUGHAN'S LITTLE GEM** The neat bushes are covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden. Pkt 10

401 **VAUGHAN'S SNOWBALL** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequaled in any other dwarf aster. ⅛ oz 40c Pkt 15

ASTER GIANT COMET

ASTER QUEEN OF THE MARKET

ASTER CARLSON

402 **VAUGHAN'S FIRE BALL** The most brilliant dwarf aster. It forms a neat well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots..... ⅛ oz 40c.. Pkt 15

403 **VAUGHAN'S PINK POMPON** The best dwarf pink aster, in every respect like the Snowball, except the color, which is the most brilliant satiny rose, turning lighter toward the edges of the flowers..... ⅛ oz 40c.. 15

404 **GLORIA or Buttonhole** Very branching and free blooming. The flowers, 1½in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases. The flowers last for a day in the hottest weather when worn in the buttonhole..... 15

405 **PIGMY Mixed** Pretty plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. Flowers are of the most distinct and delicate shades.. ⅛ oz 25c 10

DWARF QUEEN

This splendid Aster makes low, compact, bushy plants, which produce a great number of double, extra large flowers like the Victoria aster 3 in. across. Excellent for bedding and for pots.

410 **White**..... 10
411 **Pink**..... 10
412 **Crimson**..... 10
413 **Light Blue**..... 10
414 **Dark Blue**..... 10
415 **All Colors Mixed**. 10

DWARF CHRYSANTHEMUM FLOWERED

Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession.

418 **White**..... ⅛ oz 30c.. 10
420 **Rose**..... ⅛ oz 30c.. 10
422 **Scarlet**..... ⅛ oz 30c.. 10
423 **Light Blue**..... ⅛ oz 30c.. 10
424 **Dark Blue**..... ⅛ oz 30c.. 10
425 **All Colors Mixed**..... ⅛ oz 25c.. 10

SEMI-TALL SECTION 11 in. to 16 in.

GIANT COMET

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

455 **White**..... ¼ oz 40c; ⅛ oz 25c.. 10
456 **Sulphur Yellow**..... ¼ oz 40c; ⅛ oz 25c.. 10
459 **Salmon Rose**..... ¼ oz 40c; ⅛ oz 25c.. 10
460 **Rose**..... ¼ oz 40c; ⅛ oz 25c.. 10
461 **Carmine**..... ¼ oz 40c; ⅛ oz 25c.. 10
462 **Crimson**..... ¼ oz 40c; ⅛ oz 25c.. 10
463 **Lavender**..... ¼ oz 40c; ⅛ oz 25c 10
464 **Dark Blue**..... ¼ oz 40c; ⅛ oz 25c.. 10
465 **All Colors Mixed**..... ¼ oz 35c; ⅛ oz 20c.. 10

DAYBREAK

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

470 **Purity** Pure white.... 10
471 **Daybreak** Shell-pink 10
472 **Lavender**..... 10
473 **JUNE FLOWERING White** This is larger, earlier and better than "Queen of the Market White." It blooms fully one week earlier. Very double and pure white..... 15

MIKADO

The Mikado belongs to the Comet class. Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl each other in such magnificent disorder as to make the fluffiest aster we have ever seen. Pkt

480 **White**..... 15
481 **Pink Rochester** Exquisite shade of shell pink. The official flower of the city of Rochester, New York..... 15

QUEEN OF THE MARKET

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**..... ¼ oz 25c.. 10
486 **Pink**..... ¼ oz 25c.. 10
487 **Crimson**..... ¼ oz 25c.. 10
488 **Scarlet**..... ¼ oz 25c.. 10
489 **Light Blue**..... ¼ oz 25c.. 10
490 **Dark Blue**..... ¼ oz 25c.. 10
491 **All Colors Mixed**..... ¼ oz 20c.. 10

VAUGHAN'S IMPROVED VICTORIA

Undoubtedly one of the most handsome asters in cultivation, and we have an excellent strain of it. Flowers are large, perfectly double, globular and imbricated; plants are of fine pyramidal form, an effective bedding variety.

500 **White**..... ⅛ oz 50c.. 10
501 **Miss Roosevelt** Primrose changing to flesh.. ⅛ oz 50c.. 10
503 **Pink**..... ⅛ oz 50c.. 10
504 **Crimson**..... ⅛ oz 50c.. 10
505 **Scarlet**..... ⅛ oz 50c.. 10
507 **Light Blue**..... ⅛ oz 50c.. 10
508 **Dark Blue**..... ⅛ oz 50c.. 10
510 **All Colors Mixed**..... ⅛ oz 35c.. 10
511 **Imported Collection 12 Varieties**..... 60
512 **Imported Collection 6 Varieties**..... 30

CREGO

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect.

515 **White**..... 20
516 **Shell Pink**..... 20
517 **Rose Pink**..... 20
520 **Dwarf Asters Mixed, All Classes and Colors** ⅛ oz 20c.. 5

VAUGHAN'S EXCELSIOR MIXTURE OF DWARF ASTERS

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend the planting of our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters and many others not listed especially selected for this mixture, insuring satisfaction to the grower. ⅛ oz 50c; extra large pkt, 25c.. 15

SINGLE ELEGANCE or MARGUERITE ASTER

The best single aster. The plants are strong and vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 in. in diameter, with small yellow centers, and last for a week when cut.

526 **White**..... 10
527 **Lavender**..... 10
528 **Dark Blue** 10

ASTER—GIANT BRANCHING

ASTER—THE KING

ASTER—THE ROYAL

ASTER—TALL SECTION 16 in. and up

529 **VAUGHAN'S BEAUTY** A splendid red sort, resembling the Victoria aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss..... Pkt 10

CARLSON OR INVINCIBLE The Early Branching Aster

The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come into bloom about 10 days before the Giant Branching aster.

530 **White**.....⅛ oz 25c.. 10
531 **Daybreak Pink**.....⅛ oz 25c.. 10
532 **Rose Pink**.....⅛ oz 25c.. 10
533 **Lavender**.....⅛ oz 25c.. 10
534 **Violet Blue**.....⅛ oz 25c.. 10
535 **All Colors Mixed**.....⅛ oz 20c.. 10

VAUGHAN'S GIANT BRANCHING ASTERS

Beautiful asters for cut-flowers. Quite different in several respects from any aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540 **White**.....⅛ oz 25c.. 10
541 **Flesh Pink**.....⅛ oz 25c.. 10
542 **Rose Pink**.....⅛ oz 25c.. 10
543 **Crimson**.....⅛ oz 25c.. 10
544 **Lavender**.....⅛ oz 25c.. 10
545 **Purple**.....⅛ oz 25c.. 10
546 **All Colors Mixed**.....⅛ oz 20c.. 10

UPRIGHT BRANCHING

This type grows, as its name indicates, upright, not spreading, and therefore permits of close planting. Flowers are very large and double, and the stems up to 20 in. long.

555 **White**.....⅛ oz 25c.. 10
556 **Rose Giant**.....⅛ oz 25c.. 10
557 **Purple**.....⅛ oz 25c.. 10

560 **HERCULES White** The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are borne on remarkably strong stalks, pure white, with long petals.. 15

HOHENZOLLERN

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563 **White**.....⅛ oz 30c.. 10
564 **The Bride** White changing to pink.....⅛ oz 30c.. 10
565 **Salmon Rose**.....⅛ oz 30c.. 10
566 **Pink**.....⅛ oz 30c.. 10
567 **Crimson**.....⅛ oz 30c.. 10
568 **Silvery Lilac**.....⅛ oz 30c.. 10
569 **Light Blue**.....⅛ oz 30c.. 10
570 **All Colors Mixed**.....⅛ oz 20c.. 10

THE KING

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 **Rose**..... 15
576 **Violet**..... 10

THE ROYAL

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

578 **White**..... 10
579 **Rose Pink**..... 10
580 **Purple**..... 10

VAUGHAN'S IMPROVED PEONY PERFECTION

One of the handsomest sorts; flowers are borne on long wiry stems, are very large, 3 to 4 in. in diameter, very double, in shape like a peony. The petals incurve and give the flowers a ball like appearance. This is especially true during the early flowering season. Mid season to late flowering.

588 **Pure White**.....⅛ oz 25c.. 10
589 **Sunlight** Yellow.....⅛ oz 25c.. 10
590 **Daybreak** Pink.....⅛ oz 25c.. 10
591 **Pink and White**.....⅛ oz 25c.. 10
592 **Brilliant Rose**.....⅛ oz 25c.. 10
594 **Brilliant Scarlet**.....⅛ oz 25c.. 10
595 **Gravelotte** Blood-red.....⅛ oz 25c.. 10
596 **Amethyst**.....⅛ oz 25c.. 10
597 **Lavender**.....⅛ oz 25c.. 10
598 **Dark Blue**.....⅛ oz 25c.. 10
599 **Shining Blue Black**.....⅛ oz 25c.. 10
600 **All Colors Mixed**.....⅛ oz 20c.. 10
601 **Imported Collections** 12 Varieties..... 50
602 **Imported Collections** 6 Varieties..... 25
605 **White Asters in Mixture** Composed of all the tall growing white sorts.....⅛ oz 25c.. 10
620 **Asters Tall Mixture, All Classes and Colors**. ¼ oz 15c.. 5

VAUGHAN'S EXCELSIOR MIXTURE OF TALL ASTERS

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. ⅛ oz 50c; extra large pkt 25c. 15

650 **Aster 2l Hardy Alpine Mixture** Sow the seed early, and they will bloom profusely during the entire fall, and make plants that will bear hundreds of flowers year after year. The flowers are bright and very beautiful; many are deep blue with yellow center..... 15

BELLIS or DAISY

BEGONIA

BALSAM

Auricula See Primrose.

Bachelor's Button See Centaurea Cyanus.

660 **BALLOON VINE** ⊙ § 10 ft. Thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous capsules containing the seed. It is sometimes called Love in a Puff. Flowers white.....1 oz 20c.. Pkt 5

661 **BALSAM Apple and Pear Mixed** ⊙ § 10 ft. Very curious rapid and dense climbers, with ornamental foliage and golden yellow fruit, which open when ripe, showing the seed and the blood-red interior.....1 oz 35c.. 5

VAUGHAN'S DOUBLE BALSAMS ⊙ 1½ to 2 ft.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plant should be set from 12 to 18 in. apart. Only best quality seed should be sown. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta** Extremely double, very large, and of the true camellia shape, in fact, might be called miniature white camellia.....⅛ oz 15c.. 5

676 **Lemon Yellow**.....⅛ oz 15c.. 5

677 **Flesh Pink**.....⅛ oz 15c.. 5

678 **The Queen** Satiny rose.....⅛ oz 15c.. 5

679 **Prince Bismarck** Salmon pink.....⅛ oz 15c.. 5

680 **Crimson**.....⅛ oz 15c.. 5

681 **Crimson Spotted**.....⅛ oz 15c.. 5

682 **The King** Brilliant scarlet.....⅛ oz 15c.. 5

683 **Atrosanguinea Plena** Flowers and leaves dark red. 5

684 **Solferino** Striped lilac, white and scarlet...⅛ oz 15c.. 5

685 **Lilac**.....⅛ oz 15c.. 5

686 **Dark Blue**.....⅛ oz 15c.. 5

689 **Double Rose and Camellia Flowered Mixed** ½ oz 25c.. 5

690 **VAUGHAN'S INVINCIBLE BALSAMS MIXED** Like all of Vaughan's Special Mixtures, this is made from separate colors and choice strains and includes everything that is desirable in balsams.....¼ oz 35c.. 15

691 **Dwarf Balsams Mixed** 8 in. These are very useful for borders; the plants make perfect little bushes with flowers that are double and semi-double and the colors are very pretty and pleasing.....¼ oz 25c.. 5

695 **BAPTISIA Australis** ♃ 2 ft. False Indigo. Beautiful light blue flowers appearing in midsummer ....1 oz 30c.. 5

696 **BARTONIA Aurea** ⊙ 12 in. A pretty flowering plant of the Gentian family and somewhat like a wild rose in appearance. Producing a profusion of fine, bright metallic yellow blossoms.....½ oz 15c.. 5

BEGONIA ⌂ ⌂ 8 to 12 in.

700 **Single Tuberous-Rooted Mixed** Of great value for summer decorating or window gardening, blooming the first season from seed, if sown in January or March in a temperature of 60 degrees. To secure the best results they should be planted in a partially shaded place. 20

BEGONIA—Continued

701 **Double Tuberous-Rooted Mixed** Flowers of elegant form and substance..... Pkt 25

702 **Frilled Tuberous-Rooted** Our Seed has been saved from selected, best frilled flowers, carefully hybridized and will produce magnificent flowers in all shades..... 25

Everblooming Bedding Varieties

The following varieties take rank as bedding plants with geraniums and coleus, doing as well in full sunshine, as in partial or whole shade. They are of sturdy growth, forming dense bushes, which are completely hidden with flowers the entire season. As pot plants for winter flowering they are superb. Easily raised from seed.

705 **Erfordia** A very pretty variety, densely covered with handsome flowers of a delicate rose color..... 15

706 **Gracilis Luminosa** With large bright scarlet flowers and magnificent satiny brown-red foliage..... 20

707 **Semperflorens Alba**..... 10

708 **Semperflorens Atropurpurea Vernon** Bright orange carmine flowers, deep red foliage..... 10

709 **Berna** The foliage of this fine Begonia is very dark, flowers rather large for the semperflorens type and are of a bright carmine red..... 15

710 **Lubeca Red** The plants are of compact growth. The flowers are a brilliant carmine-red and are borne freely above the red-brown foliage..... 20

711 **Rex** ⌂ Ornamental leaved in splendid mixture..250 seeds 30

BELLIS PERENNIS Fl. Pl. ♃ ⊙ **Double Daisy.** 6 to 8 in.

A low growing spring flowering plant, a companion to the pansy and forgetmenot. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed. The poet's favorite.

720 **Snowball** Double pure white.....⅛ oz 50c.. 10

721 **Longfellow** Double dark pink.....⅛ oz 50c.. 10

722 **Double Good Mixture**.....⅛ oz 25c.. 5

723 **Mammoth White** Larger than Snowball..... 10

724 **Mammoth Pink** Larger than Longfellow..... 10

725 **Mammoth Mixed**..... 10

726 **Monstrosa White** Flowers frequently attain the size of zinnias. The flower stems are long and stiff and almost as thick as a pencil..... 15

727 **Monstrosa Pink**..... 15

730 **BIDENS Atrosanguinea** ⊙ 2½ ft. Miniature Black Dahlia, or Black Cosmos. Produces an abundance of crimson-maroon flowers of velvety texture 4 in. in diameter. 5

732 **BOCCONIA Japonica** ♃ 4 ft. Plume Poppy. Ornamental plant with cream color flowers, excellent for groups.... 5

BRACHYCOME IBERIDIFOLIA ⊙ 12 in. Swan River Daisy.

Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

737 **White**.⅛ oz 10c 5 | 739 **Blue**.....⅛ oz 10c..

738 **Pink**...⅛ oz 10c 5 | 740 **All Colors Mixed**.⅛ oz 10c.. 5

CANDYTUFT

CALENDULA

CAMPANULA

744 **BRIZA MAXIMA** ⊙ 12 in. Quaking Grass. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... Pkt 5

745 **BROWALLIA Speciosa Major** Giant Blue ⊙ 1 ft. With large deep blue flowers, excellent for pot culture..... 15

746 **Elata Mixed**..... 5

748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color as the season advances to bright scarlet striped with white..... 5

750 **CACALIA Mixed** ⊙ 2 ft. Pretty free blooming plants with tassel-shaped flowers; called by some Devil's Paint Brush. 5

752 **CALAMPELIS Scaber** ♃ ⊙ § 6 ft. Pretty vine with orange-colored tube-shaped flowers..... 10

754 **CALANDRINIA Umbellata** ⊙ 6 in. Flowers dazzling magenta crimson ½ in. in diameter, produced all summer..... 10

755 **CALCEOLARIA Hybrida Grandiflora, Fine Mixed Pouchflower,** ⊥ 1½ ft. Our seed is saved from the best European collection and will produce flowers of large size and of an endless variety of color.....300 seeds 25

CALENDULA ⊙ 1 ft. Pot Marigold

A perpetual bloomer, the flowers are oriental in color and exhibit every shade of yellow from ivory to deepest orange. Makes good cut-flowers and the dried blossoms may be used to flavor soups and stews.

766 **Officinalis Grandiflora Flore Pleno Orange King** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color rich, dark orange.....½ oz 10c.. 5

767 **Officinalis Sulphurea Flore Pleno, Sulphur Queen** 5

768 **Officinalis Meteor Flore Pleno** Striped....½ oz 10c.. 5

769 **Pongei Flore Pleno** Double white..... 5

770 **All Colors Mixed**.....½ oz 10c 5

California Poppy See Escholtzia.

CALLIOPSIS ⊙ 6 in. to 2 ft. Prettyface

A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; foliage dainty; useful combined with other flowers.

781 **Bicolor Nana, Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center. The edges of the leaflets are turned down..... 10

782 **Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye..¼ oz 10c.. 5

783 **Hybrida Superba** Forms dense bushes desirable for pots, groups and borders..... 10

784 **Radiata Tigrinia, Tiger Flower** 6 to 8 in. Flowers large reddish-brown, turning at the points golden-yellow. 10

785 **Dwarf Mixed**.....¼ oz 10c.. 5

790 **Double Mixed**.....¼ oz 10c 5

795 **All Sorts and Colors Mixed**.....lb. $1.20; 1 oz 15c 5

800 **CALLIOPSIS—VAUGHAN'S SPECIAL MIXTURE** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it and we know it will give entire satisfaction.....½ oz 30c.. Pkt 10

802 **CALLIRHOE Involucrata Poppy Marrow** ♃ Large bright crimson flowers, trailing habit, adapts itself to rock work.. 10

CAMPANULA Medium Canterbury Bells ⊙ 3¼ ft.

Campanulas remain one of the prettiest of old garden plants. Their bell-shaped flowers in their delicate coloring make them the admiration of all.

816 **Single Mixed**.....⅛ oz 10c.. 5

818 **Double Mixed**.....⅛ oz 10c.. 5

820 **Double and Single Mixed**..... 5

821 **Calycanthema Mixed**..... 5

822 **White**..... 5 | 823 **Pink**..... 5

824 **Striped**..... 5 | 825 **Blue**..... 5

828 **Carpatica Hairbell** ♃ 9 in. Blue. Very pretty, low growing, free flowering..... 5

830 **Carpatica Alba** White..... 5

834 **Persicifolia Grandiflora Mixed**..... 10

835 **Pyramidalis Mixed** White and blue..... 10

836 **VAUGHAN'S SPECIAL MIXTURE OF PERENNIAL VARIETIES** include all the above and many other desirable varieties not listed..... 25

838 **Speculum** ⊙ 10 in. Venus Looking Glass, fine for edging beds..... 5

840 **CANARY BIRD VINE** ⊙ § 15 to 20 ft. Clean, handsome foliage, with an abundance of bright canary-yellow blossoms; good rambler and fine for stumps, rockeries, etc.; excellent window vine for winter.....½ oz 15c.. 5

CANDYTUFT ⊙

Candytuft will grow anywhere under all conditions and flower all summer. Good for cut-flowers and borders.

845 **Giant Hyacinth-Flowered White** 1 ft. The flower heads are of immense size, 6 in. long and 3 in. across, resembling a Dutch Hyacinth.....1oz 40c; ½ oz 25c.. 10

846 **Odorata** 1 ft. Sweet scented white.2 oz 25c; 1 oz 15c.. 5

848 **Snowflake** 7 in. Extremely free-blooming kind. The plants form very neat, round bushes, covered with the finest pure white flowers.....¼ oz 20c 10

850 **Queen of Italy** 8 in. The plants form dwarf bushes which are covered with very large pink blooms.....½ oz 25c.. 10

852 **Umbellata Carminea** Carmine..... 5

854 **Umbellata Purpurea** Crimson..... 5

856 **Umbellata Lilacina** Lilac..... 5

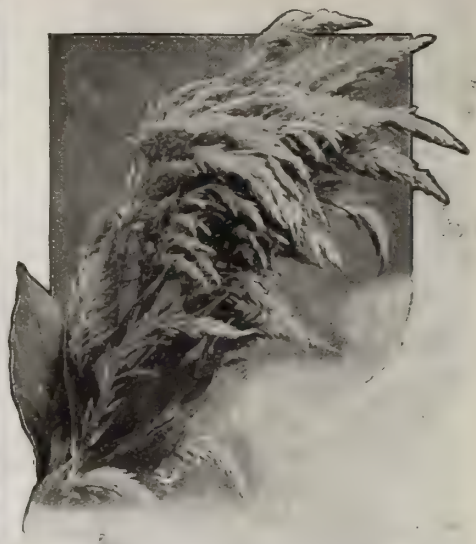
860 **All Colors and Types Mixed**....1 lb. $1.00; ¼ lb. 35c; 1 oz 15c; ½ oz 10c..... 5

862 **Gibraltarica** ♃ Lilac shading off to white..... 10

864 **Sempervirens** ♃ Pure white..... 10

CANNA Vaughan's Giant Flowered Mixture

CARNATION Vaughan's Special Mixture



CELOSIA THOMPSONI MAGNIFICA

Our cultural directions on Flower Seed Packets are careful and complete

CANNA ⊔ 2½ to 8 ft.

Pkt

900 **Giant-Flowered Mixed** Few people know these tropical plants can be easily grown from seed and bloom the first summer if sown before April. Pierce the seed in one spot with a file and soak in luke-warm water for 24 hours before sowing. Named cannas do not come true from seed, so we only offer the seed in mixture..1 oz 35c; ½ oz 20c.. 10

For roots and started plants see plant pages.

CARNATIONS ⊙ ⊙

The following will bloom from seed in 4 to 5 months:

910 **Chabaud Mixed** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion..... 100 seeds.. 15

914 **Marie Chabaud** Pure canary yellow.....50 seeds.. 25

916 **Gold Finch** Golden yellow scarlet marking..50 seeds.. 25

918 **Glowing Coal** Intense brilliant scarlet..... 50 seeds.. 25

920 **Guillaud Riviera Market** This fine Carnation has been obtained by careful selection from the Margaret. It will bloom the first summer, and if taken up in the fall the plants will bloom all winter.....100 seeds.. 25

925 **Giant of Nice** Plants are very free flowering, colors varied, splendid kind for cut-flowers because the stems are long and strong..... 25

930 **Giant Margaret Mixed** The flowers are very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. The plants grow upright requiring hardly any support, and their yield of flowers is wonderful.....100 seeds.. 15

931 **Giant Margaret White**..... 50 seeds.. 15

940 **Dwarf Margaret Mixed** A strain similar to the above, but its habit of growth adapts it better for bedding purposes.....100 seeds.. 10

950 **Margaret Mixed** All colors.....⅛ oz 20c.. 5

952 **Margaret White**.....⅛ oz 30c.. 5

954 **Margaret Yellow**.....⅛ oz 30c.. 5

956 **Margaret Pink**.....⅛ oz 30c.. 5

958 **Margaret Striped**.....⅛ oz 30c.. 5

960 **Margaret Red**.....⅛ oz 30c.. 5

975 **VAUGHAN'S SPECIAL CARNATION MIXTURE** This is a mixture of the best strains of the Giant Margaret, Malmaison and everblooming Chabaud Carnations. The plant will bloom the first summer and will produce many flowers equal to the best florist's Carnation. The plants may be lifted in September, potted and will bloom all winter in the house..100 seeds 25

CARNATIONS ⊙ ♃

Pkt

The following varieties will bloom the second summer from seed. Plants should be protected during the winter.

980 **Extra Choice Mixed** Saved from a rich collection of named flowers and will produce fine varieties..... 10

985 **Vienna Dwarf Mixed.** Produces very double sweet scented flowers in the largest variety of colors and in the greatest profusion.....⅛ oz 20c.. 10

990 **Fine Double Mixed** Sweet scented, large flowers. ⅛ oz 15c 5

995 **Grenadin Red** For yielding a quality of double red flowers there is no outdoor Carnation that can equal it.. 10

996 **Grenadin White**..... 10

Castor Beans See Ricinus.

998 **CATANANCHE Coerulea** ♃ Blue, Cupid's Dart..... 10

999 **CATANANCHE Coerulea Flore Albo** White..... 10

CELOSIA CRISTATA ⊙

Coxcomb Dwarf Varieties 8 in.

These plants are extremely valuable for formal bedding. The flowers appear in the shape of coxcombs, hence the name, out of a rosette of green or brown leaves.

1010 **Cristata Nana President Thiers** Crimson combs, dark leaves. Shown to its best advantage when combined with Golden Feverfew and Centaurea Candidissima 10

1012 **Fire King** Rich fiery orange scarlet..... 10

1014 **Empress** Blood red combs and brown foliage..... 10

1016 **Aurea** Golden yellow combs..... 10

1018 **Rosea** Pink combs..... 10

1020 **Dwarf Mixed** All the above and others.....⅛ oz 30c.. 10

Tall Feathered Varieties 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be missed in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage. Of easy culture.

1022 **Plumosa Aurea** Orange ostrich plume..... 5

1024 **Plumosa Coccinea** Crimson ostrich plume..... 5

1025 **Plumosa Mixed**.....¼ oz 15c.. 5

1030 **Plumosa Thompsoni Magnifica** A good strain of the Ostrich Plume Celosias.....¼ oz 25c.. 5 10

1035 **Cristata Tall Coxcomb Mixed**.....¼ oz 15c.. 5

1040 **CENTAUREA Americana Alba** ⊙ 2½ ft. This native annual is known as the Star Thistle. It grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as Hollyhocks. The color is almost pure white.....⅛ oz 35c.. 15

1042 **Americana Mixed** White and lilac.....⅛ oz 30c.. 10

CENTAUREA IMPERIALIS WHITE

COBAEA SCANDENS

CENTAUREA CYANUS—Vaughan's Special Mixture

CENTAUREA CYANUS ⊙ Bachelor Button 2 ft. Pkt

Well known favorite found in nearly every garden. Also known as Blue Bottle, Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

1045 **Blue Emperor** Single blue.....1 oz 15c; ½ oz 10c.. 5
1050 **All Colors Mixed**.....1 oz 15c; ½ oz 10c.. 5
1060 **Double Mixed**.....1 oz 25c; ½ oz 15c.. 5
1062 **Victoria** Dwarf, 9 in. For pots and edging. Azure blue 10

Vaughan's Giant Sweet Sultan Centaurea Imperialis 2½ ft.

1065 **Mixed** Strong bushy plants, flowers fragrant, about twice the size of Centaurea Cyanus, ranging in colors from pure white through pink to purple....¼ oz 20c.. 5
1068 **White**.....¼ oz 25c.. 10
1069 **Moschata Mixed** Sweet Sultan, white, red and blue. 5
1070 **Suaveolens** Yellow Sweet Sultan. 1 oz 35c; ½ oz 20c.. 5
1075 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS** Is composed of all the annual centaureas, and a packet will produce the loveliest cut flowers all summer...1 oz 50c; ½ oz 30c 10

1078 **CENTAUREA Candidissima** ♃ ⌂ 10 in. Thick silvery white leaves, used for bedding purposes..... 10
1080 **CENTAUREA Gymnocarpa, Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding.... 5
1082 **CENTROSEMA Grandiflora** ⊙ § ⌂ 10 ft. Pea-like flowers, purple and white..... 5
1084 **CHELONE Barbata Torreyi** ♃ 4 to 5 ft. Sometimes called Turtle Head, excellent plant with long spikes of scarlet blossoms..... 10
1085 **Hybrida Mixed**..... 10
1086 **Lyoni** 2 ft. Pretty free flowering plants, preferring half shady moist situation. Flowers rosy purple in heads.... 10

CHRYSANTHEMUM

Annual Varieties ⊙ 2 ft.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties.

1090 **Carinatum Eclipse** Yellow with scarlet ring and dark brown disk 5
1092 **Golden Feather** Foliage striking yellow; flowers white with a crimson ring near center..... 5
1094 **The Sultan** Crimson maroon..... 5
1095 **Silver Queen** 12 to 15 in. Flowers pure white with a zone of clear bright yellow overlaid with silver..... 10
1096 **Dunetti Album Plenum** Double white..... 5
1097 **Dunetti Aureum Plenum** Double golden yellow.. 5
1100 **Coronarium Double Fine Mixed**.....½ oz 15c.. 5
1102 **Inodorum Plenissimum Bridal Robe** 10 in. The sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers. With their short, closely set petals they recall the finest forms of double daisies.. 10

CHRYSANTHEMUM—Continued. Pkt

1105 **Segetum Gloira** Morning Star, 18 in. Primrose with golden yellow center..... 5
1108 **Segetum Helios** Evening Star. Golden yellow..... 5
1110 **VAUGHAN'S SPECIAL MIXTURE OF ANNUAL CHRYSANTHEMUMS** Single and double sorts in finest mixture, including many new varieties not catalogued above.....½ oz 25c.. 10

The following are valuable for winter-flowering in pots:

1112 **Frutescens** ⌂ Paris daisy or Marguerite. Large white star-shaped flowers..... 10
1114 **Chinese and Japanese Varieties Mixed** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall.....100 seeds.. 15

Perennial Varieties ♃ 2 to 3 ft.

Perennial Chrysanthemums, especially the Shasta Daisies, have come to stay in our gardens. They are conspicuous in mixed beds or grown in front of shrubbery and as a cut flower are without equal. They are easily raised from seed and in our latitude are most successfully treated as a biennial.

1115 **Shasta Daisies, in Finest Mixture** All different types and shades of white.....⅛ oz 40c.. 10
1122 **Maximum** or Ox-Eyed Daisy. Pure white..¼ oz 15c.. 5
1124 **Uliginosum** (Pyrethrum) 3 to 4 ft. From July to September it is literally covered by a multitude of daisy-like white flowers..... 10
1125 **CINERARIA VAUGHAN'S COLUMBIAN MIXTURE** ⌂ 18 in. This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 in. in circumference and of the most brilliant colors. A plant frequently seen in the city park conservatories in early spring..... 25
1126 **Hybrida Good Mixed**..... 5
1128 **Maritima Diamond** ⌂ For bedding. Not for flowers. 10
1130 **CLARKIA Elegans ⊙ Double and Single Mixed** 1 oz 25c.. 5
1132 **CLEMATIS** ♃ § **Large Flowering Mixed** Beautiful climber with lovely flowers, blue, white and purple, etc. 15
1134 **Paniculata** Beautiful fall flowering vine with white, sweet-scented flowers 10
Clematis seed germinates very slowly.
1135 **CLEOME PUNGENS** ⊙ 5 ft. Spider Wort. A honey plant par excellence. Good for massing in front of shrubs; rosy lilac flowers ..... 1 oz 45c; ½ oz 25c.. 5
1136 **CLIANTHUS DAMPIERI** ⌂ 2 ft. Glory Pea of Australia. Trailing clusters of bright red flowers with a jet black spot 10
1140 **COBAEA Scandens-Cathedral Bells** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac when full grown. It is a very prolific bloomer and vigorous in vines and flowers. It is very free from insect pests...¼ oz 15c.. 5
1142 **Flore Albo** White..... 10
1145 **Mixed** White and blue..... 10

CONVOLVULUS

COSMOS—WOODSIDE EARLY FLOWERING

CYCLAMEN

1148 **COIX Lachrymae** ⊙ 2 to 4 ft. **"Job's Tears."** The seed is used as an old-fashioned, but valuable remedy, for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain. We have an extra fine lot of white seed that may be used in making rosaries. 1 lb 45c; ¼ lb 15c; 1 oz 5c.

1150 **COLEUS VAUGHAN'S MAMMOTH RAINBOW MIXTURE** 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 in. in length and 8 in. in width, heart shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellows in shades in the most delicate to nearly black..... Pkt 15

VAUGHAN'S SPECIAL

1152 **Fine Mixed**..... 5

1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in patches or clumps; easily grown in any garden soil.....1 oz 25c.. 5

Columbine See Aquilegia.

1156 **COMMELINA Sellowiana** 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butter-fly-like blossoms of dainty blue color.. 10

CONVOLVULUS MAJOR ⊙ **Morning Glory** 15 ft.

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers. Succeeds under almost all circumstances.

1160 **MAJOR White**.1 oz 10c 5 | 1163 **Striped**..1 oz 10c.. 5
1162 **Crimson**...1 oz 10c 5 | 1164 **Blue**.....1 oz 10c.. 5
1165 **All Colors Mixed**.... 1 lb 60c; ¼ lb 20c; 1 oz 10c.. 5
1166 **Imported Collections** 8 varieties..... 20
1168 **Double Mixed** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower.....1 oz 15c.. 5
1169 **Mauritanicus.** Blue flowers; for hanging baskets.... 5
1170 **Dwarf Morning Glory** 1 ft This plant should be better known, the flowers possessing all richness of color peculiar to the climbing morning glories.....1 oz 15c.. 5
For other Morning Glories see Ipomoea.

1175 **COREOPSIS Lanceolata** ♃ 2 ½ ft. Golden Glory. A beautiful hardy sort blooming from seed the first year. Very large yellow flowers of great elegance..¼ oz 20c.. 10

1176 **Grandiflora Eldorado** 2 ft. Compact bushy plants, flowers brilliant orange yellow, 3 in. in diameter..... 10

Cornflower See Centaurea.

1186 **Lady Lenox** The flowers are of extraordinary size, up to 6 in. in diameter; color shell-pink. The plants are of very vigorous growth.....½ oz 25c.. 10

1188 **Marguerite** Fringed finest mixed..... 10

1189 **Striped** Distinct and charming new class of flowers with large white centers, the petals being deeply striped with white..... 10

1190 **Giant Mixed**.....1 oz 25c; ½ oz 15c.. 5

Woodside Early Flowering

This strain produces its flowers from July until frost. It grows and blooms in the greatest profusion in any soil. Grace, daintiness and brilliancy are the characteristics of this class. They are very pretty for vases and last often a week in the house when cut.

1195 **White** (Dawn)..... 10
1196 **Pink**..... 10
1198 **Crimson**..... 10
1200 **Early Flowering All Colors Mixed**.....½ oz 30c.. 10

Coxcomb See Celosia.

1202 **CUPHEA Platycentra** Cigar Plant. 10 in. For pots and borders..... 20

1204 **Purpurea** ⊙ 1½ ft. Dark red..... 10

CYCLAMEN ALPINE VIOLETS 1 ft.

This beautiful pot plant, flowering from seed the first year is well known, but the public does not realize the same may be successfully raised from seed with little care and patience.

1205 **Persicum Mixed** Persian violet .....20 seeds.. 10
1206 **Giant Flowered Mixed** 20 seeds 25c.....10 seeds.. 15
1208 **Orchid Flowered Mixed** (Butterfly) .....15 seeds.. 25
1210 **English Varieties Mixed**.....10 seeds.. 25
For bulbs of the above see the bulb pages in this catalog.

1212 **CYPERUS Alternifolius** 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape..... 10

COSMOS

Giant Flowered ⊙ **6 ft.**

Autumn blooming plants of exceedingly graceful habit. The single star-like flowers range in color from white through pink to crimson. The feathery spring-green foliage well adapts it as a background for dwarfer flowers. If topped when half grown, the plants will bloom much earlier, the check seeming to induce immediate flowering.

1180 **White "Pond Lily"**.. Pkt .....½ oz 15c.. 5
1182 **Pink "Pink Butterfly"** .....½ oz 15c.. 5
1184 **Crimson**..½ oz 15c.. 5
1185 **Klondyke** A gorgeous orange-yellow variety with very handsome foliage more coarsely laciniated than other sorts 10

DAHLIA—VAUGHAN'S SPECIAL MIXTURE

DELPHINIUM—LARKSPUR

DATURA

CYPRESS VINE ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine can not be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work. Pkt

1214 **White**.....½ oz 15c.. 5
1215 **Crimson**.....½ oz 15c.. 5
1220 **Mixed**.....½ oz 10c.. 5
1222 **Ivy Leaved Scarlet** A rapid growing variety with deeply lobed, ivy-like leaves, and small fiery scarlet flowers. 5

DAHLIA ⊙ ♃ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong, and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

1225 **Double Good Mixed**.....¼ oz 30c.. 5
1226 **Double Best Mixed**..... 15
1228 **Double Cactus Flowered Mixed** With twisted and curled petals..... 15
1230 **Single Giant Perfection Mixed** This strain is a decided advance on ordinary single varieties. The plants are of strong robust habit, and produce in great abundance flowers of immense size, averaging 6 in. across, of the most bewildering variety of color.....¼ oz 25c.. 10
1232 **Exhibition Mixed** A very choice selection from large single flowers, many with broad-edged petals in various colors..... 10
1234 **Burbank's Selection** This seed is Mr. Luther Burbank's own saving. The colors are salmon, light and dark crimson, deepest purple to maroon and almost black, light straw, deepest yellow and a few white mostly of the cactus type..... 25 seeds.. 25
1240 **VAUGHAN'S SPECIAL MIXTURE** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds ... 25

For roots and started plants of the above, see the plant pages.

DATURA ⊙ 3 ft. Angel's Trumpet

Showy large branching plants bearing immense trumpet-shaped flowers.

1242 **Cornucopia** Horn of Plenty..... 10
1244 **Double White**..... 5
1245 **Golden Queen**..... 10
1260 **Double Fine Mixed**.....¼ oz 15c.. 5

DELPHINIUM or LARKSPUR

Annual Varieties ⊙

Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring. As the seedlings grow, thin them to a stand 6 to 18 in. apart, according to variety. Pkt

1265 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate.....¼ oz 15c.. 5
1270 **Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom.....¼ oz 10c.. 5
1275 **Dwarf Rocket Mixed** 1 ft.....¼ oz 10c.. 5
1278 **Emperor Mixed** Produces an abundance of long, slender flower spikes in the most delicate colors ¼ oz 10c .. 5

Perennial Varieties ♃

The hardy varieties are of bewitching beauty in the perennial border or among shrubs. The brilliant flower spikes can be seen from quite a distance and are strikingly effective. If sown early many of the varieties will bloom the first year. The plants will bloom almost continually if the flowers are removed as they fade.

1282 **Cashmerianum** 15 in. Spreading, many branched; flowers often 2 in. wide, deep purplish blue in color.... 15
1284 **Caucasicum** 1½ ft. Magnificent sky blue flowers.... 10
1285 **Chinese Album Grandiflorum** White. 2 ft. The stems have many lateral branches with large single flowers. Leaves deeply laciniated.....⅛ oz 15c . 5
1286 **Chinese Azureum Grandiflorum** Blue...⅛ oz 15c.. 5
1288 **Elatum Hybridum Single Fine Mixed** 3 ft.. 1 oz 40c.. 5
1290 **Elatum Hybridum Double Mixed**..... 15
1292 **Formosum** 3 ft. Brilliant blue white center. ¼ oz 25c.. 10
1294 **Formosum Coelestium Pillar of Beauty** Charming delicate blue..... 10
1295 **Formosum Giganteum** A giant form of this most beautiful hardy Larkspur..... 25
1296 **Nudicaule** 1 ft. Dwarf brilliant scarlet flowers 20
1298 **Sibiricum Hybridum** 1½ ft. Fine blue shades.... 10
1299 **Zalil Sulphur Yellow** 3 ft 15
1300 **VAUGHAN'S PERENNIAL MIXTURE** This mixture is very valuable for its great variety in shades of color, which range from yellow to pure white; from the palest and most chaste lavender up through every conceivable shade of blue to deep indigo; and for the variety of size and form of their individual blooms..... 25

DIANTHUS Vaughan's Special Double Mixture

DIGITALIS (Foxglove)

DIANTHUS BARBATUS (Sweet William)

DIANTHUS

Barbatus Sweet William ⊙ ♃ 2 ft. Pkt

A splendid old-fashioned plant, producing its large heads of beautifully colored sweet-scented flowers in great abundance. It is hardy, easily grown, and flowers the second year from seed.

1301 **DOUBLE White** (Albus Plenus) 5
1302 **Rose** (Rosea Plena) 5
1304 **Blood Red** (Atrosanguinea Plena) 5
1305 **Mixed** ..... ¼ oz 20c.. 5
1306 **Giant-Flowered Mixed** 10
1308 **SINGLE Mixed** ..... ¼ oz 15c.. 5
1309 **Giant-Flowered Mixed** 10
1310 **VAUGHAN'S SPECIAL MIXTURE** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this 10

Chinese and Japanese Garden Pinks ⊙ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the individual clusters stand out from the foliage very distinctly.

1312 **Chinese Single Mixed** ..... ¼ oz 10c.. 5
1315 **Japanese Double Mixed** ..... ¼ oz 10c.. 5
1316 **Heddewigi Single Crimson Belle** Velvety dark red... 5
1318 **Single Eastern Queen** Striped rose colored flowers.... 5
1320 **Single The Bride** White with purple center..... 5
1325 **Single Mixed** Great range of colors..... ¼ oz 10c.. 5
1326 **Double Diadem** Magnificent in color.... ¼ oz 15c.. 5
1327 **Double Fireball** Brilliant scarlet, compact, floriferous. 10
1328 **Double Mourning Cloak** Blackish crimson flowers.. 5
1329 **Double Snowball** Compact, fringed white flowers.... 10
1330 **Double Mixed** Exquisite shading..... ¼ oz 10c.. 5
1332 **Laciniatus Mirabilis** Single Wonder Pink. Flowers measure 3 to 4 in. in diameter..... 10
1334 **Laciniatus Mirabilis Flore Pleno, Double Wonder Pink** 10
1335 **Laciniatus Double Mixed** Flowers deeply laciniated, 5
1338 **Imperialis Flore Pleno, Double Mixed** Strong bushy grower..... ¼ oz 10c.. 5
1340 **VAUGHAN'S SPECIAL MIXTURE OF SINGLE PINKS** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. For beds and cut-flowers..... ¼ oz 15c.. 10
1345 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed..... ¼ oz 15c 10
1350 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS** This magnificent mixture contains the cream of the Dianthus family, and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly..... ¼ oz 15c.. 10

Plumarius Clove or Grass Pinks ♃ 10 in.

These very desirable sweet-scented, low growing, early blooming and free flowering hardy garden pinks are unequaled for the border of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun and in an open situation.

1352 **Single Mixed** Delicately fringed flowers... ¼ oz 10c.. 5
1354 **Cyclops** A new strain of great beauty. Flowers large, round, and produced in great abundance; colors exquisitely delicate; light rose, copper color, crimson and flesh predominating. A clove like odor adds to their attractiveness..... ⅛ oz 20c.. 10
1355 **Flore Pleno, Double Mixed** (Pheasant's Eye) ¼ oz 20c.. 10
1358 **Nanus Fl. Pl. Early Flowering Clove Pink** The compact bushes are perfectly hardy and produce their flowers fully two weeks earlier than the older types. Their freedom of bloom is marvelous. Plants can be lifted and potted when in full bloom without injury..... 15
1360 **VAUGHAN'S SPECIAL MIXTURE OF CLOVE PINKS** A charming mixture..... 15
1362 **DICTAMNUS Fraxinella Mixed** ♃ 3 ft. Gas plant, red and white..... 10

DIGITALIS Foxglove ⊙ ♃ 3 to 5 ft.

Handsome ornamental hardy plants of stately growth. The seed, though small germinates readily and the plants succeed well even in poor soil if given a half shady location. The spikes are often 3 to 5 ft. long and thickly strung with scores of thimble shaped flowers.

1365 **Gloxiniaeflora Alba** White, very handsome, flowers much like a gloxinia..... 10
1366 **Rosea** Rose..... 10
1368 **Mixed** ..... ⅛ oz 15c.. 5
1369 **Grandiflora** Bright yellow, distinct..... 5
1370 **Maculata Iveryana** Splendid spotted strain..... 5
1372 **Monstrosa Mixed** Long spikes surmounted by one enormous flower, very odd..... 10
1375 **Purpurea Mixed** Many colors..... ½ oz 15c.. 5
1380 **VAUGHAN'S SPECIAL MIXTURE** Contains all the above and many others..... ¼ oz 35c.. 15

DIMORPHOTHECA Aurantiaca ⊙ 1 ft.

1383 The Golden Marguerite. A rare and extremely showy annual from South Africa which has become a great favorite on account of its very easy culture and beautifully colored flowers. Its Marguerite-like blossoms, produced in great profusion, are 2½ to 3¾ in. in diameter. These are a unique glossy rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone..... 10

HYACINTH BEAN (Dolichos)
One of our best annual climbers

EUPHORBIA VARIEGATA
(Snow on the Mountain)

For Annual and Perennial Poppies other than the Escholtzia or California Poppy See Page 80

ESCHOLTZIA—CALIFORNIA POPPY

DOLICHOS Hyacinth Bean ⊙ § 10 ft. Pkt

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385 **Princess Helen** (Daylight) Snow white flowers followed by silvery white seed pods.....1 oz 15c.. 5

1390 **Purple Soudan** (Darkness) Dark vines with brilliant rose flowers, seed pods dark red.....1 oz 15c.. 5

1395 **All Colors Mixed**.....¼ lb. 40c; 2 oz 25c; 1 oz 15c.. 5

1398 **DRACAENA Indivisa** ⌂ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage..... 10

1400 **DRACOCEPHALUM Moldavicum** ⊙ 2 ft. Siberian Dragon Head. Good honey plant.....1 oz 10c. 5

1402 **ECHEVERIA Mixed Hen and Chickens** ⌂ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny.....100 seeds 25c; 25 seeds 10

1404 **ECHINACEA Hybrida** ♃ 4 ft. The flowers are variously shaped. The colors dark red, rose, carmine and orange 15

Echinocystis Lobata See Wild Cucumber.

1406 **ECHINOPS Ritro Globe Thistle** ♃ 4 ft. Odd globe shaped, steel-blue flowers, fine among shrubbery and for cut-flowers. Good bee plant..... 10

1408 **EDELWEISS** ♃ 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun..... 10

1410 **ERIGERON Aurantiacus Hybridus** ♃ 1 ft. Large flowering hybrids of the orange daisy in great variety... 10

1412 **ERYNGIUM Amethystinum** ♃ 2 to 3 ft. Handsome ornamental plants with finely cut, spiny foliage and beautiful thistle like heads of amethystine blue; fine for winter bouquets..... 10

1414 **ERYTHRINA Crista Galli** ⌂ 4 ft. The Coral Tree, a fine greenhouse shrub, with scarlet flowers..... 10

ESCHOLTZIA California Poppy ⊙ 1 ft.

The state flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1416 **Californica** The original yellow. ¼ lb 35c; 1 oz 15c.. 5

1418 **Carmine King** Beautiful carmine rose color, both on the interior and exterior of the flower.....½ oz 30c.. 10

1420 **Compacta Erecta Dainty Queen** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream..... 10

ESCHOLTZIA—Continued Pkt

1422 **Golden West** Flowers bright yellow and orange, penciled and blotched.....½ oz 25c.. 5

1424 **Mandarin** Deep orange.....½ oz 15c.. 5

1425 **All Colors Mixed** Many shades..¼ lb 35c; 1 oz 15c.. 5

1426 **Double and Semi-Double Mixed**..... 10

1428 **Maritima** Canary yellow with orange center, leaves grayish and finely cut..... 5

1430 **VAUGHAN'S SPECIAL MIXTURE** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence.....1 oz 40c; ½ oz 25c.. 10

1432 **EUCALYPTUS Globulus—Blue Gum** ⌂ A native of Australia, introduced successfully into California..... 10

1434 **EUPATORIUM Coelestinum** ♃ 2 ft. One of the best blue perennials, and bears from August until frost an abundance of fluffy blue flowers; splendid for cutting... 10

1435 **Fraseri** 1½ ft. A very pretty dwarf variety producing clusters of snow-white flowers; fine for cutting and bouquets..... 10

1436 **EUPHORBIA Heterophylla—Mexican Fire Plant** ⊙ 2 to 3 ft. Annual Poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About midsummer the center top leaves of each branch turn a vivid orange scarlet.....¼ oz 15c.. 10

1438 **Variegata—Snow on the Mountain or Mountain Spurge** 2 ft. Remarkably distinct plant; very showy with its veined and edged white and green foliage. Planted to an advantage in clumps in shrubbery and the branches when cut may be used in mixed bouquets..... 5

1440 **EVERLASTINGS Mixed** ⊙ 1 to 2 ft.....¼ oz 15c. 10

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe and Xeranthemum.

Feverfew See Matricaria.
Forget-me-not See Myosotis.
Four O'clock See Mirabilis.
Foxglove See Digitalis.

1445 **FRAGARIA Indica—Trailing False Strawberry** ♃ 10

1446 **FUCHSIA Hybrida, Double and Single Mixed** ⌂ 1 to 4 ft. Ladies Eardrop. Well known greenhouse plant, will bloom from seed the first year if planted early.... 20

PERENNIAL GAILLARDIA

GODETIA

We include free in all orders packages of new flowers and vegetable seeds for trial. We would like to hear what you think of them.

ANNUAL GAILLARDIA

GAILLARDIA (Blanket Flower)

Annual Varieties ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

Pkt

1448 **Picta Single Mixed**.....¼ oz 15c.. 5

1450 **Lorenziana Double Perfection Mixed**.....¼ oz 20c.. 5

Perennial Varieties ♃ 2 ft.

These are undoubtedly among the choicest of hardy perennials; the flowers are large, very numerous, excellent for cutting and of the most brilliant shades of orange, crimson, scarlet and vermillion, and very often a combination of all these colors in one flower. Do best if treated as biennials.

1452 **Grandiflora Mixed**.....¼ oz 20c.. 10

1455 **Kelway's Hybrids** This is to our knowledge the choicest strain in Gaillardias. The flowers are of enormous size, and the colors most varied. Our seed is from Kelway direct..... 25

1456 **Maxima Kermesina Splendens** Rich crimson center with a border of canary yellow..... 10

1458 **Sulphurea Oculata** The color is a pale sulphur yellow with a bright maroon eye, giving the flowers a very distinct appearance..... 10

1460 **GALEGA Officinalis—Goat's Rue,** ♃ 2 ft. Light blue pea-shaped flowers in showy racemes..... 5

1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. 5

1464 **GENTIANA Acaulis** ♃ 4 in. Gentian, intense blue flowers with five yellow marks..... 10

GERANIUM ⌂ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develope from seed, and there is always the chance of securing something new and desirable in that way.

1465 **Zonale Varieties** Saved from the choicest collections.. 10

1466 **Large Flowering, Newest Varieties Mixed** choicest strains.....50 seeds.. 15

1467 **Apple-scented** Leaves fragrant.....25 seeds.. 10

1468 **Lady Washington** (Odier) Large flowering, beautifully blotched.....25 seeds.. 20

1469 **GEUM Coccineum Plenum** ♃ 1½ ft. Flowers are double bright scarlet in color and last well when cut. Very large and profuse bloomer. Elegant for bouquets. Pkt. 10

1470 **Heldreichi** Beautiful orange flowers produced very freely..... 10

1471 **GILIA Mixed** ⊙ 1 ft. Free blooming, fine for beds, rockeries or lawns.....1 oz 20c.. 5

Gilliflower See Stocks.

1472 **GLAUCIUM Luteum—Horn Poppy** ⊙ 3 ft. Yellow flowers, gray foliage..... 5

Globe Amaranth See Gomphrena.

1475 **GLOXINIA HYBRIDA GRANDIFLORA VAUGHAN'S INTERNATIONAL MIXTURE** ⌂ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. Our International Mixture contains the finest European strains..... 25

VAUGHAN'S SPECIAL

1476 **Fine Mixture**..... 10

GODETIA ⊙ 1½ ft.

Remarkable for their widely opened flowers of satiny texture and lovely, delicate shades of color; fine for shady places.

1477 **Duchess of Albany,** pure white..... 5

1478 **Gloriosa,** deep blood red..... 5

1479 **Rosamunde,** fiery rose..... 5

1480 **Lady Satin Rose,** bright carmine..... 5

1481 **The Bride,** white and red..... 5

1482 **Many Sorts and Colors Mixed**.....¼ oz 10c.. 5

1483 **Dwarf Sorts Mixed** Neat globular bushes about 10 in. in height.....¼ oz 15c.. 5

Golden Feather, see Pyrethrum.

1484 **GOLDEN ROD** ♃ 2 ft. American National Flower..... 5

1485 **GOMPHRENA Globosa Mixed** ⊙ 2 ft. Globe Amaranth. Clover-like heads everlasting.....¼ oz 10c.. 5

Gourds, see next page, Nos. 1486 to 1514, inclusive.

1515 **GRASSES Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets; enormous quantities of them are annually grown in Germany and exported to the United States, where they are made up into bouquets with Everlasting flowers. They are easily grown in any soil..... 10

1520 **GREVILLEA Robusta—Silk Oak** ⌂ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern. Makes a fine plant for the center of fern dishes..... 10

DOUBLE HELIANTHUS or SUNFLOWER

VAUGHAN'S MAMMOTH HELIOTROPE

GOURDS ⊙ § 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls. Pkt

1486 **Apple-shaped** Beautifully striped..... 5

1487 **Bottle** The original Thermos bottle. Used by the pilgrims in the orient..... 5

1488 **Calabash or Pipe Gourd** Odd-shaped fruit which is used to an advantage in making pipes. A native of South Africa..... 15

1489 **Dipper** Makes an excellent dipper..... 5

1490 **Dishcloth or Towel** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 5

1492 **Hercules Club** Fruit grows 3 to 4 ft. long..... 5

1495 **Japanese Nest Egg** Fruit looks exactly like hens' eggs and may be used as nest eggs..... 5

1496 **Orange** The well known Mock Orange..... 5

1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... 5

1500 **Pear Shaped** Striped yellow and green..... 5

1502 **Sugar Trough** Thick shells very durable..... 5

1504 **Spoon** Small ball shaped fruit with slender necks, richly colored, deep orange, whitish and dark olive green. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... 5

1505 **Turk's Turban** Odd brightly colored fruit..... 5

1506 **Small Fruited Varieties Mixed**..1 oz 25c;½ oz 15c 5

1510 **All Varieties Mixed**.....1 oz 25c; ½ oz 15c.. 5

1512 **Imported Collection** 12 Varieties..... 30

1514 **Imported Collection** 6 varieties..... 20

GYPSOPHILA

1522 **Elegans Grandiflora Alba—Angel's Breath** ⊙ 2 ft. This is an improved, large-flowering, pure white form of the annual Angel's Breath, of free, easy growth. Several sowings should be made during the season to keep up a supply. Combined with sweet peas they make pretty bouquets.....½ oz 10c.. 5

1524 **Elegans Rosea** Soft Pink .....½ oz 10c.. 5

1525 **Muralis** 6 in. Dwarf pink good for edging..... 5

1530 **Paniculata** ♃ 2 ft. Baby's Breath. White flowers, smaller than the annual varieties, producing a veil-like mist over the plant..... 5

HELIANTHUS (Sunflower) ⊙

The state flower of Kansas. Remarkable for its stately growth and decorative effect in the garden. The old original Mammoth Russian variety now has a numerous company showing various traits. Some are dwarf, some double, some single and the leaves are gray and green. Excellent for cutting. The flowers may be bunched in great bowls for bold porch decoration. Should be planted with discrimination in every garden. Pkt

1534 **Argyrophyllus** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles.....½ oz 15c.. 5

1535 **Californicus Fl. Pl.** 5 ft. Double dark yellow.1 oz 10c.. 5

1536 **Double Chrysanthemum Flowered** 6 ft. Golden yellow flowers.....1 oz 15c.. 5

1537 **Globosus Fistulosus Fl. Pl.** 6ft. Double globe or dahlia sunflower. Flowers a rich saffron color.....1 oz 10c.. 5

1539 **Nanus Flore Pleno** 2½ ft. Double dwarf, beautiful for massing in beds.....1 oz 20c.. 5

1540 **Russian Mammoth** Single of gigantic dimensions For larger amounts see Farm seed pages....1 oz 5c

1545 **VAUGHAN'S SPECIAL MIXTURE** of all the single and double sunflowers.....1 oz 25c.. 10

1550 **HELICHRYSUM Monstrosum Flore Pleno Mixed** ⊙ 2½ ft. Everlasting Strawflower. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place....½ oz 20c 5

1555 **HELIOTROPE Mammoth Mixed** ⊘ 2 ft. Deliciously fragrant flowers of rich purple blue. The flowers and leaves have a mossy effect. Blooms from seed the first summer if sown early in the spring. Excellent for cutting and splendid for bedding..... 10

1560 **Fine Mixed**..... 5

1562 **HESPERIS Matronalis Mixed** ⊙ 2 ft. Sweet Rocket. Fragrant purple and white flowers.....½ oz 10 5

1565 **HEUCHERA Sanguinea** ♃ 1 ft. Slender wiry stems with innumerable tiny crimson blossoms..... 10

1570 **HIBISCUS Crimson Eye** ♃ 4 ft. These immense flowers of pure white, with a large crimson eye, often measure 7 in. in diameter, and a plant will often have as many as fifty of them. It blooms from seed the first year..... 5

1575 **Golden Bowl** Deep cream with a velvety maroon center 10

1580 **HELENIUM Riverton Beauty** ♃ 3 ft. Lemon yellow with black cone. Excellent for planting in borders.... 10

1585 **Riverton Gem** 3 ft. Of strong growth. Covered from the middle of August to the end of October with brilliant flowers, which, on opening, are old gold suffused with terra cotta, changing as they mature to a Wall flower red..... 10

VAUGHAN'S JAPANESE MORNING GLORY

HOLLYHOCK VAUGHAN'S PRIZE

WHITE MOONFLOWER

HOLLYHOCK

Annual Varieties ⊙ ♃ 5 ft.

Perennial plants of stately growth which will flower from seed the first year. The blossoms are set as double and semi-double rosettes around the flower stalk in almost every color. Makes a charming hedge or back ground. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done towards preventing it and reducing the damage by spraying the plants with Bordeaux mixture. Spraying should commence as soon as the leaves show above the ground, and should be continued until the flowering season, at intervals of two weeks. Pkt

1880 **Allegheny** Semi-double flowers with frilled edges. ¼ oz 25c 10

1882 **Everblooming Single Mixed** Large single flowers exhibiting every shade known in Hollyhocks . . ½ oz 25c . . 5

1885 **Ever Blooming Double Mixed** Double and semi-double 10

Perennial Varieties ⊙ ♃

Are at their best if treated as biennials.

1886 **DOUBLE White** . . . . . ⅛ oz 30c . . 10

1888 **Yellow** . . . . . ⅛ oz 30c . . 10

1890 **Salmon** . . . . . ⅛ oz 30c . . 10

1892 **Pink** . . . . . ⅛ oz 30c . . 10

1894 **Deep Rose** . . . . . ⅛ oz 30c . . 10

1895 **Crimson** . . . . . ⅛ oz 30c . . 10

1896 **Blood Red** . . . . . ⅛ oz 30c . . 10

1898 **Black** . . . . . ⅛ oz 30c . . 10

1899 **Good Mixed** . . . . . ¼ oz 20c . . 5

1900 VAUGHAN'S SPECIAL **VAUGHAN'S PRIZE MIXTURE** The finest shades and perfectly double flowers . . . . . ⅛ oz 25c . . 10

1905 **Single Mixed** . . . . . ½ oz 20c . . 5

For roots, see Plant pages.

1910 **HUMULUS Japonicus-Japanese Hop** ⊙ § 20 ft. One of the most rapid growing ornamental climbers, green-leaved . . . . . ¼ oz 10c . . 5

1915 **Japonicus-Fol. Var.**—Variegated Japanese Hop. There is no hardier climbing vine than the Japanese Hop and for constant resistance to drouth or insects it has no equals. This sort possesses all the good qualities of its parent, and in addition has beautifully variegated foliage splashed and streaked with white . . . . ¼ oz 10c . . 5

1916 **HUNNEMANNIA Fumariaefolia—Bush Escholtzia** ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks . . . . . ¼ oz 20c . . 5

Hyacinth Bean See Dolichos.

1918 **ICE PLANT** ⊙ 6 in. Suitable for rock work, hanging baskets, etc. Foliage thick, frosted and wax-like 5

1920 **IMPATIENS Holstii Hybrids—Zanzibar Balsam** ⊙ 1½ ft. One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming. They range in color from pink through the red shades to purplish violet 15

1922 **IMPATIENS Sultani** Rosy flowers, glossy green foliage . . 10

1925 **INCARVILLEA Grandiflora** ♃ 2 ft. Likes a sunny situation, produces spikes of elegant Gloxiniaeflora-like flowers. Finely cut foliage 20

1928 **INULA Glandulosa Grandiflora** ♃ 2½ ft. Peculiar yellow flowers composed of narrow wavy petals 10

1930 **IONOPSIDIUM Acaule** ⊙ 3 in. A charming little plant for pot culture. Seeds sprinkled in a pot will bloom in a month 5

IPOMOEA ⊙ § 20 ft. Moonvine

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring, are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1932 **Bona Nox. Evening Glory** Violet flowers, large and fragrant . . . . . 1 oz 25c . . 5

1934 **Coccinea. Star Ipomoea** Small scarlet flowers in great profusion . . . . . 1 oz 20c . . 5

1935 **Mexicana Grandiflora Alba—White Moon Flower** Covered with large white flowers every evening and cloudy day. Seeds should be started inside . . ½ oz 25c . . 10

1936 **Mexicana Grandiflora, Giant Pink** Soft lilac pink flowers . . . . . ½ oz 30c . . 10

1938 **Imperialis Japanese Morning Glory, Fine Mixed** . . . . . 1 lb $1.00; ¼ lb 35c; 2 oz 25c; 1 oz 15c; ½ oz 10c . . 5

1940 **VAUGHAN'S SPECIAL MIXTURE OF JAPANESE MORNING GLORIES** The variety of color is infinite, running from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, marbled, mottled, striped and bordered in wonderful fashion and sometimes show rare markings of ash gray, bronze, terra cotta, brown and slate-blue, colors rarely found in any other flower. The leaves are also very handsome; some are ivy-like, others are heart-shaped, some are rich green, while others are streaked and marbled with white and silver or yellow; others with choicest flowers, have rich golden leaves VAUGHAN'S SPECIAL . . . . . 1 lb $3.00; ¼ lb $1.00; 1 oz 30c; ½ oz 20c . . 10

1942 **Leari** Satiny blue with crimson bars. A good greenhouse climber . . . . . ¼ oz 25c . . 10

1944 **Rochester** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous . . . . . ½ oz 30c . . 10

1945 **Rubro-Coerulea, Heavenly Blue** Sky blue flowers in great abundance . . . . . ½ oz 35c . . 10

1946 **Setosa or Brazilian Morning Glory** Rosy-pink flowers. It presents a remarkable appearance, branching in all directions and intertwining so as to make it impenetrable to the sun's rays . . . . . 1 oz 25c . . 5

For other Morning Glories see Convolvulus

KOCHIA or BURNING BUSH

LINUM GRANDIFLORUM RUBRUM

LYCHNIS HAAGEANA

1948 **IRIS Kaempferi** ♃ 2½ ft. The beautiful Japanese Iris in splendid mixture Pkt 10
For immediate results get roots of Japanese Iris, listed on plant pages.

Job's Tears See Coix Lachrymae.

Kenilworth Ivy See Linaria.

Kudzu Vine See Pueraria.

1950 **KOCHIA Tricophylla** ⊙ 2½ ft. Summer Cypress or Burning Bush. Forms dense bushes of cypress like appearance. During the summer they remain light green and in early fall they change to carmine and blood-red 5

1952 **LANTANA Hybrida Mixed** ⌂ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer.. ½ oz 15c.. Pkt 5

Larkspur See Delphinium.

LATHYRUS LATIFOLIUS ♃ § 8 ft.

Everlasting or Hardy Sweet Peas

They have not the fragrance of the Sweet Peas, but bloom through a long season, are hardy and will live for years.

1954 **Latifolius** Purplish red.....½ oz 15c.. 5

1956 **Albus** White.....½ oz 25c.. 10

1958 **Pink Beauty** Bright rosy-pink.....½ oz 15c.. 5

1960 **Mixed**.....½ oz 15c.. 5

1962 **LEPTOSIPHON Hybrids Mixed** ⊙ 6 in. It makes dense turf of fine foliage, covered with pretty little flowers, good for edging.....½ oz 20c.. 5

Levkojen See Stocks.

1965 **LINARIA Cymbalaria—Kenilworth Ivy** ♃ Flowers lavender and purple. A charming, small, hardy perennial trailing plant suitable for baskets, vases, pots and rock work..... 5

1970 **LINUM Grandiflorum Rubrum—Crimson Flax** ⊙ 2 ft. Fine foliage, delicate stems with brilliant scarlet flowers of long duration.....1 oz 15c.. 5

1972 **Flavum** ♃ 9 in. Yellow flax..... 10

1973 **Perenne Mixed** 1½ ft. White and blue. The flowers are produced on long wiry branches at the tips and with such airy grace they appear to be floating in the air..... 5

LOBELIA ERINUS ⊙

These are charming little plants covered with numerous, small blossoms all summer. They flower from seed the first year. The dwarfer varieties are used to an advantage in edging beds and in pots, the trailing ones for hanging baskets and massing. The blossoms in all sorts are particularly bright in appearance.

1975 **Erinus Alba** 1 ft. Pure white, tall.....⅛ oz 10c.. 5

1976 **Gracilis** Light blue flowers, light green foliage trailing.....⅛ oz 10c.. 5

LOBELIA—Continued

Pkt

1978 **Hamburgia** Large flowering dark blue, for hanging baskets.. 10

1980 **Speciosa** True, dark blue, dark foliage; good for hanging baskets 5

1985 **Compacta Crystal Palace** 6 in. Deepest blue, dark foliage..... 10

1990 **Compacta Emperor William** Clear sky blue with green foliage 5

1992 **Pumila Rosea** Dwarf pink..... 5

1994 **Pumila Splendens (Bedding Queen)** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye..... 10

1995 **Mixed Colors**.....⅛ oz 15c.. 5

1998 **Cardinalis—Cardinal Flower** ♃ 4 ft. A native perennial, forming long spikes thickly set with bright crimson flowers.....⅛ oz 30c.. 5

2002 **LOPHOSPERMUM Scandens** ⊙ § 10 feet. Showy, rosy, purple Foxglove-like flowers..... 10

Love-in-the-mist See Nigella.

LUPINUS

2005 **Tall Annual Varieties Mixed** ⊙ 2 ft. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers; valuable for mixed flower borders and beds.....1 oz 15c. 5

2006 **Dwarf Annual Varieties Mixed** 1 ft.....1 oz 15c.. 5

2007 **Hybridus Roseus** 2 ft. A charming rose pink flower.....½ oz 20c.. 5

2010 **Polyphyllus Mixed** ♃ 4 ft. Showy perennials, growing stout and erect, and producing long racemes of pea-like flowers in great variety of colors..... 5

2015 **LYCHNIS Chalcedonica** ♃ 2 ft. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual blossom forming a perfect maltese cross. Will bloom from seed the first year. 5

2016 **Haageana** 1 ft. Large flowered brilliant deep scarlet. 10

2018 **Haageana Hybrida** Unusual colors, white, rose, vermillion, brillant orange, scarlet and crimson..... 5

2020 **LYTHRUM Roseum Superbum** ♃ 3 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes..... 10

TESTIMONIAL

CHICAGO, ILL., October 16, 1911.

Vaughan's Seed Store,

Gentlemen: The flower seeds purchased from you this Spring turned out fine. The Asters, Marigolds, Petunias and Zinnia were superb. Asters, Smith's Peerless White and Pink were exceptions. Chrysanthemums, Single Early Flowering Hybrids, raised in hotbed were well worth growing. I send you blooms for inspection. You will note not two alike out of forty plants from 25c packet of seed. Yours very truly,

JOHN R. CLARKE.
Gardener to Mr. W. L. Hollister.

MARIGOLD—DOUBLE TALL AFRICAN
Special Mixture

MARIGOLD LEGION OF HONOR

MIGNONETTE GIANT MACHET

MARIGOLD—TAGETES ⊙

The Marigolds are old favorite, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for the taller sorts, and both are effective when planted in groups or in the garden borders.

Tall Varieties 5 ft. Pkt

2022 **Eldorado** Extremely large and imbricated double flowers in yellow shades ..... ¼ oz 10c.. 5
2024 **Lemon Queen** 5
2025 **Orange Queen** 5
2026 **Tall African Mixed** Large double flowers.. ½ oz 15c.. 5
2028 **Tall French Mixed** Large bushes covered with a multitude of small double flowers ..... ½ oz 15c.. 5
2029 **Imported Collection Tall African, 6 Colors** 20
2030 **VAUGHAN'S SPECIAL MIXTURE OF TALL MARIGOLDS** Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed ..... ¼ oz 20c.. 10

Dwarf Sorts 10 in.

2032 **Aurora** Double, clear soft yellowish-pink, very distinct and peculiar, new color 5
2034 **Electric Light** Double sulphur-yellow, brown-red stripes and spots ..... ½ oz 15c.. 5
2035 **Gold Striped** Double velvety maroon, striped gold... 5
2036 **Legion of Honor** Single, flowers rich golden yellow, marked with velvety brown, best for edging.. ½ oz 15c.. 5
2038 **Silver King** Single, light sulphur-yellow with brown spots 5
2040 **Dwarf French Double Mixed** Low bushes covered with small flowers ..... 1 oz 25c; ½ oz 15c.. 5
2042 **Dwarf African Mixed** (Pride of the Garden) 15 in. Immense double flowers golden yellow, compact dwarf habit, forming dense bushes ..... ½ oz 15c.. 5
2044 **Imported Collection Dwarf French** 6 varieties..... 20
2045 **VAUGHAN'S SPECIAL MIXTURE OF DWARF MARIGOLDS** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for this mixture ..... ¼ oz 20c.. 10

Pot Marigold See Calendula.
Marvel of Peru See Mirabilis.

2046 **MARTYNIA Formosa** ⊙ 1½ ft. Peculiar seed pods shaped like antelope horns 5

MATRICARIA

Pkt

2047 **Alba Plenissima** ♃ ⊙ 3 ft. Feverfew. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals 10
2048 **Eximia Golden Ball** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers.. 10
2050 **MATTHIOLA Bicórnis** ⊙ 15 in. The Evening Scented Stock has no beauty to recommend it, the flowers being dull purplish-lilac, but it is well worth growing for the charming fragrance which it emits during the evening. 5
2052 **MAURANDIA Mixed** ⊙ § 10 ft. Abundant bloomer and very desirable for greenhouse and garden. Colors range through white, rose, blue and purple 10
2054 **MELOTHRIA Punctata** ⊙ § 10 ft. Gooseberry shaped fruit 5

MIGNONETTE ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

2055 **Bismarck** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct being crinkley, while its odor is strong and most delicious ..... ⅛ oz 15c.. 10
2056 **Gabriele** Very sweet; spikes very thick; one of the best for out of doors ..... ¼ oz 15c.. 5
2058 **Goliath** Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter ..... ⅛ oz 15c.. 10
2060 **Grandiflora Large-Flowered** .... ¼ lb 25c; 1 oz 10c.. 5
2062 **Machet** It is the best Mignonette for all purposes either outside or inside. It is an ever bloomer, the flowers lasting until late in the fall. Our seed is grown with the most scrupulous care and it gives entire satisfaction ..... ¼ oz 25c.. 10
2064 **New York Market** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower.. 250 seeds.. 25
2065 **Parson's White** Distinct, almost white.... ¼ oz 15c.. 5
2066 **Pyramidal Large-Flowering** Tall growing variety splendid for cutting ..... ⅛ oz 15c.. 5
2070 **Mixed** Many shades and types.. 1 oz 15c; ½ oz 10c.. 5

MYOSOTIS or FORGET-ME-NOT

NIGELLA—MISS JEKYLI

MARVEL OF PERU or FOUR O'CLOCKS

2072 **MIMOSA Pudica Sensitive Plant** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken. ¼ oz 15c — Pkt 5

2274 **MIMULUS Tigrinus, Single Mixed** ⊙ 10 in. Queen's Prize. Monkey Flower. Dwarf bushy plants, with large gloxiniaeflora-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped.. ⅛ oz 25c.. 5

2275 **Tigrinus Fl. Pl.** Double Monkey Flower mixed..... 10

2276 **Moschatus Musk Plant** Musk scented leaves, tiny yellow flowers..... 5

2278 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded..... ¼ oz 30c.. 10

2279 **Sanguinea** 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat..... ½ oz 15c.. 5

MIRABILIS Marvel of Peru or Four O'Clocks ⊙ 2 ft.

This is another good old-fashioned flower, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

2280 **Mixed all Sorts and Colors**..... ¼ lb 20c; 1 oz 10c.. 5

2282 **Variegated Leaves Mixed**..... 1 oz 15c.. 5

2284 **Dwarf Mixed** 12 in..... 1 oz 15c.. 5

2285 **Sweet-Scented** (longiflora alba) Flowers white and very fragrant..... 1 oz 15c.. 5

Monkey Flower See Mimulus.

Morning Glory See Convolvulus and Ipomoea.

Mourning Bride See Scabiosa.

2286 **MUSA Ensete** △ 6 ft. Abyssinian Banana, splendid tropical plant, may be set out doors in summer. 10 seeds 20

Musk Plant See Mimulus.

MYOSOTIS—Forget-Me-Not ⊙ ½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responds to good treatment and flourishes in shady, moist situations.

2288 **Alpestris Blue** Trailing habit..... ⅛ oz 15c.. 5

2290 **Alba** White..... ⅛ oz 15c.. 5

2292 **Rosea** Pink..... ⅛ oz 15c.. 5

2294 **Eliza Fonrobert** Flowers large, sky blue, with clearly defined white eye..... ⅛ oz 20c.. 5

MYOSOTIS—Forget-Me-Not
Continued.

2295 **Alpestris Victoria** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging..... — Pkt 10

2296 **Mixed**..... ⅛ oz 15c.. 5

2298 **Ruth Fisher** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage..... 25

2299 **Star of Love** Distinct variety with large, beautiful blue flowers..... 25

2300 **Palustris** ♃ The true Swamp Forget-me-not..... 10

2302 **Semperflorens** A charming dwarf blue Forget-me-not, continuing in bloom from early spring until autumn. 10

2304 **Dissitiflora** One of the best of all the Forget-me-nots. It is of remarkably compact habit and a profuse bloomer, having an appearance of a sheet of blue when planted in masses..... 10

2305 **Vaughan's Early and Late Flowering** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year..... VAUGHAN'S SPECIAL 10

2415 **NEMOPHILA Mixed** ⊙ 6 in. Grove Flower. Cup shaped flowers of many bright colors, the blue shades being particularly charming. Does well in moist, half shady situations..... ½ oz 15c.. 5

2420 **NICOTIANA Affinis** ⊙ 2 ft. Sweet Scented Tobacco Plant. Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter.. ¼ oz 15c.. 5

2425 **Affinis Hybrida** Splendid hybrids in blue, red and rose, etc. shades..... ⅛ oz 15c.. 5

2430 **Sylvestris** 4 ft. Large white flowers, plant for ornamental purposes..... ¼ oz 15c.. 5

2432 **NIGELLA Mixed—Love in the Mist** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil, blue and white mixed..... 1 oz 15c.. 5

2434 **Miss Jekyll** Gives an abundance of long stemmed flowers of the clearest cornflower blue, contrasting most charmingly with the fine fern-like foliage.... ½ oz 25c.. 10

2436 **NOLANA Mixed** ⊙ Pretty trailing plant, useful for edging or rock work..... ¼ oz 10c.. 5

2450 **OENOTHERA Mixed** ⊙ ½ to 2 ft. Evening Primrose. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume 5

2455 **OXALIS Rosea Mixed** ⊙ A most excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white..... 10

2456 **Tropaeoloides** Suitable for rock work, rustic baskets etc., largely used in parks. Flowers deep yellow, leaves brown..... ⅛ oz 15c.. 5

NASTURTIUMS

DWARF VARIETIES ⊙ 1 ft.

There are few flowers that can compare with Nasturtiums in richness and variety of color, freedom of bloom, ease of culture and general usefulness. They are suitable for bedding and edging, grow quickly, thrive in the poorest soil and furnish the greatest abundance of long lasting, sweet-scented cut flowers.

Green and Dark Leaved Varieties

Pkt

2306 **Beauty** Scarlet splashed canary.....1 oz 10c.. 5
2308 **Bronze** Burnt bronze color dark leaved....1 oz 10c.. 5
2310 **Chameleon** Is unique in bearing flowers of quite distinct coloring on one and the same plant...1 oz 10c.. 5
2312 **Empress of India** Very dark leaves, crimson flowers.. 5
2314 **Golden King** Pure golden yellow.....1 oz 10c.. 5
2315 **King of Tom Thumbs** Intense deep scarlet flowers, dark foliage.....1 oz 10c . 5
2316 **King Theodore** Velvety red flowers, dark foliage 1 oz 10c.. 5
2318 **Lady Bird** Orange, bright scarlet, striped...1 oz 10c.. 5
2320 **Pearl** Creamy white.....1 oz 10c.. 5
2322 **Regelianum** Purplish violet.....1 oz 10c.. 5
2324 **Ruby King** Ruby red, dark leaved.....1 oz 10c.. 5
2325 **Vesuvius** Salmon rose.....1 oz 10c.. 5

Fancy and Variegated Leaved Varieties

2326 **Golden Cloth** The foliage is of a bright yellow, while the flowers are intense scarlet.....1 oz 10c.. 5
2327 **Ivy Leaved Mixed** Deep green leaves of distinct ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat.....1 oz 10c.. 5
2328 **Queen of Tom Thumbs** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is strikingly handsome and useful for bedding or pot culture.....1 oz 10c.. 5
2330 **DWARF MIXED**.....1 lb 70c; ¼ lb 20c; 1 oz 10c... 5
2335 **VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.....1 lb $1.50; ¼ lb 45c; 1 oz 15c.. 10

VAUGHAN'S SPECIAL

2336 **COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES** Our choice.....1 pkt each 35c..
2338 **COLLECTION No. 2 OF DWARF NASTURTIUMS, 10 VARIETES.** Our choice.....1 oz each 75c..

TALL or CLIMBING VARIETIES ⊙

The tall sorts are luxuriant climbers for verandas, trellises, fences, etc. They are especially adapted to the covering of unsightly railings and to trail over rough ground, their flowers are generally larger than those of the dwarfs. The seed pods can be gathered while green and tender for pickling.

Green and Dark Leaved Varieties

Pkt

2340 **Black Prince** Velvety black flowers, dark foliage 5
2342 **Cardinal** Scarlet flowers, dark foliage.....1 oz 10c.. 5
2344 **Chameleon** On one and the same plant are found self colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades.....1 oz 10c.. 5
2345 **Coquette** The flowers vary so greatly from each other that it is almost impossible to find any two alike. It produces every color known in Nasturtiums...1 oz 10c.. 5
2346 **Dunnet's Orange** Bright orange flowers....1 oz 10c.. 5
2348 **Heinemanni** Chocolate color, odd.....1 oz 10c.. 5
2350 **Jupiter** Strong running growth and large, rich golden yellow flowers.....1 oz 10c.. 5
2352 **King Theodore** Rich deep crimson flowers; dark leaves.....1 oz 10c . 5
2354 **Marguerite** Cream, scarlet spotted flowers..1 oz 10c.. 5
2355 **Pearl** Creamy white.....1 oz 10c.. 5
2356 **Prince Henry** Light yellow, marbled scarlet .1 oz 10c.. 5
2358 **Regelianum** The best rich crimson.....1 oz 10c.. 5
2360 **Virchow (Rose Queen)** The best pink.....1 oz 10c 5

Fancy and Variegated Leaved Varieties

2365 **Golden Cloth** Scarlet flowers with yellow foliage. 5
2366 **Ivy Leaved Mixed** Fine blue green ivy-like foliage with fringed flowers.....1 oz 10c.. 5
2370 **TALL MIXED, all sorts**..1 lb 60c; ¼ lb 20c; 1 oz 10c.. 5
2380 **LOBB'S MIXED** The strongest growing, attaining the greatest height.....1 lb 75c; ¼ lb 25c; 1 oz 10c.. 5
2390 **MADAM GUNTHER'S HYBRIDS** For richness and variety of color these hybrids have no equal among Nasturtiums. It is impossible to describe all the different colors.....1 lb $1.00; ¼ lb 30c; 1 oz 10c.. 5
2400 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary bird creeper, the hybrids of Madam Gunther, Coquette and the new variegated leaved varieties.....1 lb. $1.50; ¼ lb 45c; 1 oz 15c.. 10

VAUGHAN'S SPECIAL

2405 **COLLECTION No. 3 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 pkt each 35c..
2410 **COLLECTION No. 4 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 oz each 75c..

VAUGHAN'S GIANT PANSIES ⊙ ⊙ 6 in.

One of the loveliest blossoms which greet our eye in early spring. The dainty, velvety, many colored little faces welcome us from the springtime until late fall if properly grown in a shady spot. The following list represents the selection of all the varieties grown; after careful comparison and observation followed up through years, we find this list will supply every shade known in Pansies and other varieties are but close resemblances to the ones listed. We try every novelty which may be offered anywhere and will list it if it proves something strikingly new or an improvement on already existing varieties. A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for at the time of ordering. The higher priced packets will produce larger flowers.

		Pkt
2500	**Bridesmaid** Its ground color is a rosy white, with a dark blotch in center	10
2502	**Coal Black** A jet black of truly giant size..⅛ oz 35c	10
2504	**Emperor William** Splendid ultramarine blue with purple eye..⅛ oz 35c	10
2505	**Fiery Faces** (Fire King) Rich scarlet with gold edge and yellow center	10
2506	**Freya** Purple violet with a broad white margin	10
2508	**Lord Beaconsfield** Rich combination of purple and lavender, shading to white near the top..⅛ oz 35c	10
2510	**Madam Perret** Dark wine, pink and red, beautifully veined and all with a white margin	10
2512	**Marechal Niel** (Diana) The flowers are very large, without any blotches or veins and are of the same pleasing delicate cream color as the rose whose name it bears	10
2514	**President Carnot** The ground color is white while each petal has a blotch of dark violet	10
2515	**President McKinley** The ground color is golden yellow, while each petal has a blotch of dark violet	10
2516	**Psyche** The characteristic five velvety blotches are surrounded by a broad white edge curled and undulated	10
2518	**Purple** Of the deepest royal purple known	10
2520	**Siegfried** They are mostly 5 blotched with a clear white margin. The colors are of rich brown shades such as seen in an English Wallflower	10
2522	**Violet Blue** Of immense size and of velvety texture	10
2524	**Vulcano** Color bright dark red, each petal being marked with a very large dark blotch and the edges of the petals are curled like the Masterpiece	10
2525	**Pure White** Pure white without blotches..⅛ oz 35c	10
2526	**White with Eye** Pure white with a large violet blotch on the three lower petals..⅛ oz 35c	10
2528	**Pure Yellow** Pure golden yellow without blotches	10
2530	**Yellow with Eye** A beautiful clear yellow, heavily blotched on the lower petals..⅛ oz 35c	10

2532 **VAUGHAN'S COLLECTION OF GIANT PANSIES** One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret. 7 packets for 25

2555 **VAUGHAN'S GIANT MIXTURE** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be only had in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. We have spared no expense to secure the newest, richest and finest sorts. ⅛ oz $1.00; 1 pkt 250 seeds 20c; 3 20-ct pkts 50c..125 seeds.. 10

SPECIAL MIXTURES

		Pkt
2535	**Boulogne Giant Mixture** This is a special selection of a French pansy grower; the flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, colors rich and varied.....150 seeds	50
2540	**Bugnot Giant Mixture** Of enormous size and circular form, the petals are of great substance and velvety appearance, each bearing a large, deeply colored blotch that runs in delicate veins to the edge...⅛ oz 75c	15
2545	**Cassiers 3 and 5 Blotched Mixed** Mostly light shades with dark blotches..⅛ oz 50c	10
2550	**Masterpiece** This strain comes nearer to the Double Giant Pansies than anything ever introduced under that name. In reality the number of petals remain the same as that in other pansy flowers but they are crimped and curled in such a fashion they appear double.....100 seeds	10
2552	**Paris Market, Mixed** This is a fair mixture of giant pansies..⅛ oz 30c	5
2554	**Paris Striped Mixed** A good mixture of striped varieties only..⅛ oz 35c	5
2585	**Orchid Flowered Mixed** The ground color of nearly all the flowers is light, the petals being marked with a large brown or golden yellow blotch which diffuses into rays and veins toward the edge. The upper petals are upright and plaited, resembling orchids. The colors are terra cotta, flesh, orange, rose, pink and lilac	15
2590	**Chicago Parks Bedding Mixed** A good medium priced pansy mixture. Great diversity of colors, free flowering blossoms slightly smaller than the Giant sorts..¼ oz 35c; ⅛ oz 20c	5

Tufted Pansies See Viola Cornuta.

2560 **VAUGHAN'S INTERNATIONAL MIXTURE** This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form, which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. The whites are blended by stripes, veinings, and shadowings. The same is true of yellows, purples, browns, reds, and other distinct shades, besides many shades of pink, mahogany, fire colored, bronze, gold, etc. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make Vaughan's International Pansy better than ever. 3 pkts (750 seeds) 65c; 5 pkts (1250 seeds) $1.00; ⅛ oz $1.75; 250 seeds 25

PETUNIA HYBRIDA—Small Flowering Type.

2592 **PASSIFLORA Coerulea Grandiflora Passion Flower** Pkt
§ 15 ft. Southern Beauty. A beautiful vine for greenhouse and window, called Passion Flower, since tradition sees represented in its flowers the symbols of the Christian Faith..... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles.....½ oz 20c.. 10

2596 **Rueppelianum** The spikes are longer and more graceful. An annual in the northern states, and seed should be sown each year.....¼ oz 20c.. 10

2598 **PENTSTEMON Digitalis** ♃ 2 ft. Foxglove Pentstemon, spikes of white flowers, with purple throat..... 5

2600 **Hartwegi Grandiflora, Newest Large Flowering** This is a much improved strain of these beautiful flowers. The flowers are very large, very numerous, in shape like a Gloxinia and are borne on long stems. In color they vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. If sown early will bloom the first year..... 25

2602 **Pubescens** Spikes of bright rosy-purple flowers..... 5

2605 **Pentstemon Mixed** A great variety of kinds and colors 5

Periwinkle See Vinca.

PETUNIA ⊙

For freedom of bloom, variety of color, ease of culture and effectiveness, these rank with Asters, Phlox and Verbenas. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Small Flowering Varieties 1½ ft.

2612 **Alba** Pure white.....¼ oz 20c.. 5

2614 **Carmen Sylva** "Baby Blue" Soft reddish purple..... 5

2615 **Countess of Ellesmere** Rose with white throat..... 5

2616 **General Dodds** Blood red.....¼ oz 20c.. 5

2618 **Howard's Star** Regular white star-like stripes on old rose background.....⅛ oz 20c.. 10

2620 **Violet Blue** Deep velvety blue..... 10

2625 **Good Mixed**.....1oz 50c; ½ oz 30c.. 5

2630 **Finest Mixed**.....¼ oz 25c.. 10

Hybrida Nana Compacta 12 to 15 in.

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2631 **Gloria** A new valuable addition to the dwarf small flowering Petunias. The flowers are brilliant carmine, a very conspicuous color, and appear in great abundance. Excellent bedding in masses 10

2632 **Inimitable** Regular white stars on deep old rose ground. Very effective when planted in masses.....⅛ oz 15c.. 5

Types of "Vaughan's Best" Single Large Flowering Petunias

PETUNIAS—Continued

Pkt

2634 **Rosy Morn** Brilliant rose with white star-shaped marking.....⅛ oz 25c.. 10

2635 **Snowball** Pure white.....⅛ oz 25c.. 5

2636 **Dwarf Mixed** The above and others.....⅛ oz 20c.. 10

Large Flowering Varieties

2640 **Large Flowering Fringed Mixed** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable brilliancy and variety of color 25

2642 **Giants of California Mixed** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.....200 seeds 25

2644 **Superbissima Mixed** Large flowering light colors, generally golden throat, beautifully veined.....200 seeds 25

2645 **VAUGHAN'S BEST MIXTURE OF LARGE FLOWERING SINGLE PETUNIAS** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as "Vaughan's Best."..... VAUGHAN'S SPECIAL .....300 seeds 25

2650 **VAUGHAN'S MIXTURE OF DOUBLE PETUNIAS** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers..... VAUGHAN'S SPECIAL .....200 seeds 30

2652 **Imported Collection of Double Petunias** 6 varieties. 75

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Tansy-leaved, rich deep blue flowers, good for bees.....½ oz 10c..

PHLOX CUSPIDATA

PHLOX DR. Vaughan's Special Mixture

PLATYCODON

ANNUAL PHLOX ⊙

The Phloxes are certainly among the showiest and most easily managed of all the annuals. From June until October they maintain an endless display of varied colored flowers. A fine effect is obtained by planting the beds with different colors so they harmonize. The plants will be more bushy and cover the bed better if pinched back when small.

Drummondi Grandiflora 1 ft. **Large Flowering** ⊙ Pkt

2660 **Alba** Pure white.....⅛ oz 15c; 100 seeds.. 5
2662 **Alba Oculata** White with eye..⅛ oz 15c; 100 seeds.. 5
2664 **Atropurpurea** Black brown....⅛ oz 15c; 100 seeds.. 5
2665 **Coccinea** Fiery scarlet.....⅛ oz 15c; 100 seeds.. 5
2666 **Coccinea Striata** Scarlet striped⅛ oz 15c; 100 seeds.. 5
2668 **Coerulea Striata** Blue striped..⅛ oz 15c; 100 seeds.. 5
2670 **Isabellina** Yellow.....⅛ oz 15c; 100 seeds.. 5
2672 **Kermesina Splendens** Vivid crimson.....100 seeds.. 5
2674 **Orbicularis Atrorosea** Dark rose with eye.100 seeds.. 5
2675 **Orbicularis Violacea** Dark blue with eye.100 seeds.. 5
2676 **Rosea** Pink.....⅛ oz 15c; 100 seeds.. 5
2678 **Rosea Striata** Pink striped.....⅛ oz 15c; 100 seeds.. 5
2680 **Rosea Aurea Stellata** Gold Star ⅛ oz 15c; 100 seeds.. 5
2684 **Stellata Splendens** Vivid crimson with white star... 5
2685 **Splendid Mixture** All the above and others.....
.....1 oz 75c; ¼ oz 25c; 250 seeds.. 10
2686 **Imported Collection** 6 varieties..... 25
2688 **Imported Collection** 12 varieties..... 50
2690 **Drummondi Mixed, Good Mixture** ¼ oz 15c..... 5
2695 **Cuspidata Mixed** Star of Quedlinburg. Mixture of star-shaped flowers.....⅛ oz 15c.. 5
2700 **Fimbriata** Mixture of fringed edged flowers ⅛ oz 15c.. 5

Drummondi Semi-Plena 1 ft. **Double Phlox**

2702 **Alba** White..... 10
2704 **Isabellina** Yellow..... 10
2705 **Coccinea** Scarlet..... 10
2710 **Mixed** The above and others.....⅛ oz 20c.. 10

2727 **VAUGHAN'S SPECIAL MIXTURE** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. A bed of Phlox Drummondi in assorted colors makes a grand display all summer.....1 oz $1.25; ¼ oz 40c; ⅛ oz 25c; 250 seeds 15

VAUGHAN'S SPECIAL

PHLOX—Continued

Drummondi Nana Compacta 8 in. **Dwarf Phlox**

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. Pkt

2728 **Chamoisrosa** Salmon pink.....⅛ oz 35c.. 10
2730 **Coerulea Striata** Blue striped.....⅛ oz 35c.. 10
2735 **Fireball** Blood red.....⅛ oz 35c.. 10
2736 **Isabellina** Yellow.....⅛ oz 35c.. 10
2738 **Leopoldi** Pink center with white eye.....⅛ oz 35c.. 10
2740 **Snowball** Pure White.....⅛ oz 35c.. 10
2742 **Splendens** Crimson with a white eye.....⅛ oz 35c.. 10
2743 **Salmon Star** The flowers, borne in immense trusses, are usually large and of a pleasing salmony rose with a clear white center. Very attractive for bedding..⅛ oz 35c.. 10
2745 **Mixed all Colors**.....½ oz 75c; ⅛ oz 25c.. 10
2750 **Cecily Mixed** Flowers are immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact.....⅛ oz 50c.. 15

2755 **PHLOX Decussata** ♃ 3 ft. **Perennial Phlox** These rank among the finest herbaceous plants for beds and borders. The seed of this germinates very slowly, often requiring 5 to 6 months. Mixture of all finest sorts..... 10

2756 **PHYSALIS Francheti** ♃ 1½ ft. **Chinese Lantern Plant** Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns..... 10

2758 **PHYSOSTEGIA Virginica** ♃ 3 to 4 ft. Forms dense bushes with spikes of delicate pink tubular flowers..... 5
2760 **Virginica Alba** White..... 10

Pinks See Dianthus.

PLATYCODON ♃ 1 to 2 ft. **Chinese Bell Flower**

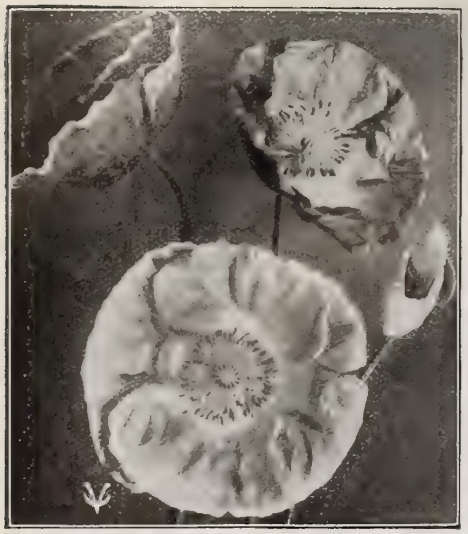
Producing very showy flowers during the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery; easily raised from seed.

2762 **Grandiflorum** Large steel-blue flowers..... 5
2764 **Grandiflorum Album** Pure white..... 5
2765 **Coeruleum Plenum** Double blue..... 10
2766 **Album Plenum** Double white..... 10
2768 **Mariesii** Dwarf blue..... 10
2770 **Mariesii Album** Dwarf white..... 10

2775 **POINCIANA Gilliesi** ⊙ **Bird of Paradise** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens..... 10

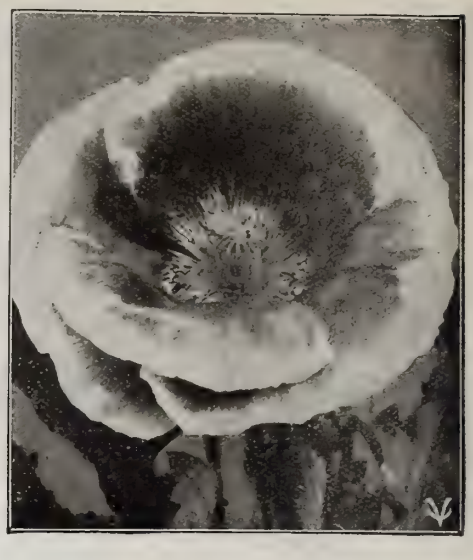
Polyanthus See Primula.

For California Poppies, see Escholtzia, Page 69



POPPY NUDICAULE or ICELAND POPPY

POPPY DOUBLE CARNATION FLOWERED



POPPY SHIRLEY

Annual Poppies ⊙ 2 ft.

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems.

SINGLE ANNUAL SORTS

2780 **Admiral** Glistening white, with a broad band of brilliant scarlet around the edges.....¼ oz 25c.. Pkt 10

2782 **Bride** Very large pure white, perfectly formed flowers. 5

2784 **Danebrog or Danish Flag** Brilliant scarlet flowers, with a silvery white spot on each petal, forming a white cross. 5

2785 **English Scarlet Field** Grows wild in Europe, in the rye fields, together with the blue cornflower.....½ oz 15c.. 5

2786 **Persian (Laevigatum) or Firedragon** Dark scarlet black spots.....¼ oz 10c.. 5

2788 **Tulip (Glaucum)** Large tulip-shaped flowers of dazzling scarlet.....½ oz 15c.. 5

2790 **Umbrosum** Rich vermilion flowers with a deep, shining, black spot on each petal.....½ oz 15c.. 5

2792 **Shirley, Silk or Ghost** Shades of rose, pink, carmine and brilliant crimson, many have white edges. ½ oz 15c.. 5

2794 **Santa Rosa** A selection of the above made by Mr. Luther Burbank, contains a greater variety of color combinations, and named for the originator's home. ½ oz 25c.. 10

2795 **VAUGHAN'S SPECIAL MIXTURE OF SINGLE POPPIES** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice..¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c..... 10

2830 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE POPPIES** Comprises not only all the double and single poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones.....1 oz 30c; ½ oz 20c.. 10

DOUBLE ANNUAL SORTS

2800 **American Flag** Flowers very large and double.—Snow white, bordered scarlet.....½ oz 15c.. Pkt 5

2802 **Fairy Blush** The flowers have the effect of large feathery balls, overcast with a rosy shade..½ oz 15.. 5

2804 **Giant Double Pure White**.....½ oz 20c.. 10

2805 **Giant Double Yellow**.....½ oz 20c.. 10

2806 **Giant Double Pink**.....½ oz 20c.. 10

2808 **Giant Double Cardinal Red**.....½ oz 20c.. 10

2810 **Marion** Soft heliotrope.....½ oz 25c.. 10

2812 **Mikado** The striped Japanese poppy; flowers brilliant scarlet and white with elegantly curled petals, like a Japanese chrysanthemum.....½ oz 15c.. 5

2814 **White Swan** Fringed double white.....½ oz 10c.. 5

2815 **Carnation Flowered Mixture of Double Poppies** Large sized flowers of all shades, many striped. The Opium Poppy.....1 oz 15c.. 5

2820 **Peony Flowered Mixture** Double ball shaped flowers of gigantic size.....1 oz 15c.. 5

2825 **Rhoeas Fl. Pl. Double French Mixture** The double form of the Shirley type.....1 oz 15c.. 5

2828 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE POPPIES** This includes all the above sorts, and will produce charming flowers in an endless variety of colors.....¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c 10

Perennial Poppies ♃

These Poppies when once planted will last for all time. They differ from the annuals in the original root living and increasing in size, and not from being self-sown from seed dropped the previous year.

2832 **Alpinum** 6 in. The plants grow in low tufts producing many slender flower stalks, bearing lovely flowers in white, salmon, rose or orange. The petals are laciniated, fluted and fringed..... 15

2834 **Bracteatum** 3 ft. Giant scarlet flowers...¼ oz 15c.. 5

2835 **Nudicaule Single Mixed Iceland Poppy** 1 ft. These poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet and have a delicious fragrance. Excellent for vase and house decorations.....⅛ oz 20c.. 10

2836 **Nudicaule, Double Mixed**..... 15

2838 **Orientale, Oriental Poppy** 3 ft. One of the showiest of perennials with enormous scarlet flowers with purple centers. The leaf is long and deeply cut and clothed with white bristly hair. Beautiful among shrubs, roses and other perennials..... 10

2840 **Orientale Hybrida** All shades from softest pink to deepest red..... 10

ORIENTAL POPPY

SINGLE PORTULACA

DOUBLE PORTULACA

PORTULACA Rose Moss ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through.

Large Flowering Single Sorts Pkt

2842 **White**.....¼ oz 20c.. 5
2844 **Yellow**.....¼ oz 20c.. 5
2845 **Pink**.....¼ oz 20c.. 5
2846 **Striped**.....¼ oz 20c.. 5
2848 **Scarlet**.....¼ oz 20c.. 5
2849 **Parana** Extremely large reddish purple flowers..... 15
2850 **Single Mixed**.....1 oz 50c; ¼ oz 15c.. 5
2852 **Imported Collection of 8 Colors**..... 25

Large Flowering Double Sorts

2854 **White**..... 10
2855 **Yellow**..... 10
2856 **Pink**..... 10
2858 **Scarlet**..... 10
2860 **Double Good Mixture**.....¼ oz 25c.. 5
2865 **Double Best Mixture**.....⅛ oz 75c.. 10
2868 **Imported Collection of 6 Colors**..... 35
2870 **POTENTILLA Hybrida** ♃ 1½ ft. Single Mixed. Cinquefoil. 5 lobed leaves, brilliant flowers..... 5
2875 **Double Mixed**..... 10

PRIMULA Primrose

2880 **Auricula** ♃ 6 in. Flowers in early spring in various colors of yellow, brown and red..... 10

Chinese Primroses ⌂ 8 in.

This is one of the most charming winter flowering house plants. May be raised very easily from seed by following the cultural instructions on the packet. Leaves are rich green and prettily cut, flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own.

2882 **Covent Garden White** English grown.....100 seeds.. 25
2883 **Orange King** Bright yellow.....100 seeds.. 25
2884 **Giant Pink** English grown.....100 seeds.. 25
2886 **Improved Chiswick Red** English grown..100 seeds.. 25
2887 **True Blue** English grown.....100 seeds.. 25
2888 **Good Mixture of Single Varieties** French grown. 5
2890 VAUGHAN'S SPECIAL **VAUGHAN'S INTERNATIONAL MIXTURE** Our mixture contains all the choicest colors of the single flowering Primulas in all their dainty shades.....100 seeds.. 15
2892 **Cortusoides Sieboldi** ♃ 10 in. Pink shades white eyed, blooms in April..... 20
2894 **Forbesi Baby Primrose** ♃ ⌂ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems..... 10
2895 **Japonica Mixed** ♃ 10 in. Japanese Primrose. Bright and showy flowers borne in whorls..... 10
2896 **Obconica Grandiflora Mixed** ♃ 10 in. The flowers are of a soft lilac, pink, rose, lavender or crimson. It is one of the most useful primulas for pot culture and also succeeds well in the open border during the summer 10
2897 **Gigantea Rosea** Giant flowered pink, for pot culture 25
2898 **Veris Elatior Grandiflora** ♃ 10 in. **Polyanthus Large-Flowering Finest Mixture,** sweet scented cowslip... 15
2900 **Vulgaris** ♃ 3 in. Yellow primrose..... 5

2905 **PUERARIA Thunbergiana** ♃ § 50 ft. **Kudzu Vine or Jack and the Bean Stalk** Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderfully strong growth.....¼ oz 30c.. Pkt 5
2910 **PYRETHRUM Parthenifolium Aureum** ♃ 6 in. **Golden Feather** One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual.....¼ oz 20c.. 5
2912 **Roseum Hybridum Grandiflorum** 2½ ft. **Giant Flowered, Mixed.** The flowers of this strain grow to an enormous size of 12 in. in circumference and present all the beautiful variations of color between light rose, pink and deep carmine. They are splendid cut flowers equally valuable in borders..... 15
2913 **Roseum Kelway's Hybrids** A selection made by Kelway and our seed is direct from the originator. Beautiful and and varied colors exhibited in the flowers..... 25
2914 **Roseum Hybridum Fl. Pl. Double Mixed.** Large flowering double; seed saved from a celebrated collection 25
2915 **Uliginosum** 3 ft. It is literally hidden beneath the multitude of large, white daisy-like flowers..... 10
Reseda See Mignonette.
2920 **RHEUM PALMATUM TANGUTICUM** ♃ 3 ft. Ornamental Rhubarb. Grows easily from seed..... 5
2925 **RHODANTHE MIXED** ⊙ 1 ft. Very beautiful, delicate looking, everlasting.....¼ oz 15c.. 5

CHINESE PRIMROSE

SALVIA SPLENDENS CLARA BEDMAN

RICINUS or CASTOR BEAN

SALPIGLOSSIS

RICINUS ⊙ Castor Bean

Pkt

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting castor beans in the borders. They leave when they get a scent of this plant.

2930 **Borboniensis Arboreus** 15 ft. Immense plants with green foliage.....1 oz 10c.. 5

2932 **Cambodgensis** 6 to 8 ft. Large palm like leaves of the darkest bronze maroon; stalk and stem nearly black 5

2934 **Panormitanus** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental 10

2935 **Sanguineus** 6 ft. Green leaved, red stems and seeds.....1 oz 10c. 5

2936 **Zanzibariensis Mixed** 10 to 12 ft. The ornamental leaves, beautifully lobed, are nearly 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo like stems and the long slender leaf stalks.....1 oz 15c.. 5

2938 **Mixed** Many sorts.....1 lb 70c; 1 oz 10c.. 5

2942 **RUDBECKIA Bicolor Superba** ⊙ 2 ft. **Coneflower** Fine free flowering annual variety forming a dense bush and producing in great abundance on long stems, its bright flowers. The disc is brown, the florets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting..... 10

2944 **Newmanni** ♃ 3 ft. Bright orange yellow petals surrounding a black cone, very floriferous..... 10

2945 **Purpurea Grandiflora** 3 ft. Produces from midsummer until late autumn, large showy, reddish-purple flowers about 4 in. across; a remarkably large cone shaped center of brown, thickly set with golden tips in spiral lines..... 15

SALPIGLOSSIS ⊙ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed.

2950 **Mixed** Good quality in many colors.....¼ oz 20c.. 5

2955 **Emperor Mixed** Large flowering improved strain, with most complete range of colors.....⅛ oz 20c. 10

SALPIGLOSSIS—Continued

Pkt

2960 **VAUGHAN'S SPECIAL MIXTURE** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable.....¼ oz 50c.. 15

2962 **SALVIA Argentea** ♃ 3 ft. Silvery foliage with small white flowers..... 5

2964 **Coccinea** ⊙ 2 ft. Annual scarlet sage.....¼ oz 15c.. 5

2965 **Farinacea** ⊙ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage..... 5

2966 **Patens** ⊘ 2 ft. Ultramarine blue, beautiful flowers. Roots may be wintered over inside like Dahlias..... 10

The above four varieties are not for display bedding.

SALVIA SPLENDENS ⊘ Scarlet Sage

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting to give color. Its best use however is as a hedge or border plant, where long broad bands of intense color are desirable.

2969 **Fireball** 1½ ft. It has larger flowers and is also more free flowering than any other kind. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes so evenly divided over the foliage and of such erect habit as to hide the foliage. It is the earliest of all, flowering by the middle of July and continuing until frost..... 15

2970 **Clara Bedman or Bonfire** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes.....⅛ oz 50c.. 10

2972 **Drooping Spikes** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. The flowers are produced in great numbers causing the spikes to droop by their own weight.....⅛ oz 40c 10

2973 **Zurich** Early blooming flowering sage. The plants are dwarf and compact and commence to produce their large brilliant flowers when 3 in. high and bloom until frost..... 20

2974 **Splendens** 2½ ft. The original scarlet sage ¼ oz 30c.. 5

2975 **Mixed** The above sorts and others.....⅛ oz 35c.. 10

3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant.....¼ oz 20c.. 5

3002 **SAPONARIA Caucasica Fl. Pl.** ♃ 8 in. Blush white fragrant flowers, fine for rock work..... 5

3003 **Ocymoides Splendens** ♃ 9 in. Small rock plant, bright rose flowers..... 5

STOCKS GIANT PERFECTION

SCABIOSA Double Large Flowering Mixed

STOCKS BEAUTY OF NICE

SCABIOSA Mourning Bride ⊙ 2½ ft.

Commonly known as the "Pincushion Plant" owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion, filled with pins, carries out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate.

Large Flowering Double Pkt.

3010 **Snowball** ¼ oz 20c .. 10
3012 **Golden Yellow** ¼ oz 20c .. 10
3014 **Pink** ¼ oz 20c .. 10
3015 **Fiery Scarlet** ¼ oz 20c .. 10
3016 **Azure Fairy** ¼ oz 20c .. 10
3018 **Black Prince** ¼ oz 20c .. 10
3020 **Mixed** The above and many others ½ oz 20c .. 5
3025 **Caucasica** ♃ 2½ ft. Flowers beautiful, soft lavender 10
3026 **Alba** White 15
3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. "The Poor Man's Orchid," neat, pyramidal bushes covered with a multitude of small butterfly like flowers of the most brilliant and striking color designs 10
3032 **Wisetoniensis** ⊙ 1½ ft. This variety makes a fine pot plant and can be raised at any time of the year 25
Scotch Pinks See Dianthus Plumarius.
3034 **SEDUM Coeruleum** ⊙ 4 in. Blue Stone Crop, fine for carpet bedding 5
3035 **SENECIO Elegans Fl. Pl. Mixed** ⊙ 1 to 2 ft. Jacobaea or American Groundsel. Free flowering plant, good for potting 5
Sensitive Plant see Mimosa.
3036 **SILENE Armeria Mixed** ⊙ 1½ ft. Catchfly. Summer flowering, suitable for rock work or open border 5
3038 **Pendula Mixed** 1 ft. Splendid for spring bedding .. 5
3040 **SMILAX** § 6 ft. Makes a fine pot plant for fall or winter. Sown in spring is ready in autumn 5
Snapdragon see Antirrhinum.
3042 **SOLANUM Capsicastrum Nanum** 2 ft. Jerusalem Cherry. Easily grown plants with ornamental fruit. Especially fine for pots, remaining beautiful along time. 10
3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit 10
3045 **STATICE Latifolia** ♃ 1¼ ft. Valuable plants for the border or rockery, with tufts of leathery foliage and immense panicles of minute deep, blue flowers producing a remarkable effect. Blooms from June until September 10
3046 **STEVIA Serrata** ⊙ 2 ft. White, star-shaped flowers, leaves fragrant, good cut flower 5
3136 **SWAINSONIA Grandiflora Alba** 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; green acacia-like foliage .. 10
1337 **SHAMROCK.** ♃ 6 to 8 in. True stock, imported from Ireland 10

STOCKS LARGE FLOWERING ⊙ Gilliflower Levkojen

The stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding. Pkt.

3050 **White** 10
3052 **Canary Yellow** 10
3054 **Brilliant Rose** 10
3055 **Crimson** 10
3056 **Light Blue** 10
3058 **Purple** 10
3060 **Fine Mixed** ⅛ oz 15c .. 5
3070 **Best Mixed** ⅛ oz 25c .. 10
3072 **Imported Collection** 6 colors 30
3074 **Imported Collection** 12 colors 60

Giant Perfection or Cut-and-Come Again 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

3075 **White** 10
3076 **Canary Yellow** 10
3078 **Pink** 10
3080 **Scarlet** 10
3082 **Light Blue** 10
3084 **Dark Blue** 10
3085 **Mixed** ⅛ oz 40c 10
3086 **Imported Collection** 6 colors .. 50

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size. Seedlings will bloom in ten weeks.

3090 **White** 10
3092 **Monte Carlo** Yellow 10
3094 **Queen Alexandra** Delicate rosy lilac 10
3095 **Pink** 10
3100 **Mixed** 10

Bismarck 2½ ft.

New; if sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White** 15
3108 **Gold Ball** .. 15
3110 **Lavender** 15

3131 **VAUGHAN'S SPECIAL MIXTURE OF STOCKS** Contains all the above and many others not catalogued 15

3135 **STOKESIA Cyanea** ♃ 2 ft. **Cornflower Aster** Bears from 20 to 30 handsome lavender blue cornflower like blossoms from July until frost .... ⅛ oz 25c . 10
Sunflower See Helianthus.

SWEET PEAS—LARGE FLOWERING AND UNWIN TYPES. ⊙ 5 to 6 ft.

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If any are familiar with a name of a variety not catalogued here will write us for it, we can probably send precisely the same shade of the color in an improved variety, under one of the names we list here.

		¼ lb	oz	pkt
3400	**America** White striped with crimson scarlet	20	10	5
3403	**Black Knight** Shining deep maroon	20	10	5
3405	**Blanche Ferry** Pink and white	20	10	5
3406	**Bridesmaid** Bright and deep pink	20	10	5
3410	**Captain of the Blues** Purplish-mauve	20	10	5
3412	**Dainty** White with pink picotee edge	25	10	5
3414	**David R. Williamson** Rich indigo blue	20	10	5
3415	**Dorothy Eckford** One of the best white	20	10	5
3416	**Duke of Westminster** Deep rose maroon, overlaid with bright shining violet	20	10	5
3418	**Earl Cromer** Claret magenta, self color	20	10	5
3422	**E. J. Castle** Rich carmine rose, with salmon shadings in the standard	35	15	10
3424	**Evelyn Byatt** Fine orange salmon	20	10	5
3425	**Frank Dolby** Largest and finest pale blue	25	10	5
3426	**Flora Norton** A very bright blue	20	10	5
3427	**George Stark** Scarlet crimson	..	25	10
3428	**Gladys Unwin** Pale rosy pink	20	10	5
3430	**Helen Pierce** Blue with dark grain markings	20	10	5
3432	**Henry Eckford** Of extraordinary orange color	40	10	5
3434	**Hon. Mrs. E. Kenyon** Light primrose self color	20	10	5
3435	**Horace J. Wright** Standard violet maroon, wings violet	20	10	5
3436	**King Edward VII. Special Selection** scarlet	25	15	10
3438	**Lady Grisel Hamilton** Lavender	20	10	5
3440	**Lord Nelson** Deeper and richer than Navy Blue	20	10	5
3442	**Lord Rosebery** Rosy carmine, self color	20	10	5
3443	**Lottie Eckford** White suffused lavender	20	10	5
3444	**Maid of Honor** White shading to deep lilac at the edges	20	10	5
3445	**Miss Millie Maslin** Very dark maroon	20	10	5
3446	**Miss Willmott** Richest orange pink, shaded rose	20	10	5
3447	**Mont Blanc** One of the earliest whites	35	10	5
3450	**Mrs. George Higginson, Jr.,** A clear delicate light blue, showing practically no tint of mauve	20	10	5
3452	**Mrs. Walter Wright** Beautiful mauve color	20	10	5
3454	**Navy Blue** Deep violet blue	20	10	5
3455	**Nora Unwin** Giant white	35	15	10
3456	**Othello** A beautiful dark brown, chocolate red	20	10	5
3458	**Phenomenal** White tinged rosy lavender	20	10	5
3459	**Phyllis Unwin** Rosy carmine	20	10	5
3460	**Prince Olaf** Striped and mottled blue on white ground	35	15	10
3462	**Queen Alexandra** Giant size scarlet	20	10	5
3464	**Romolo Piazanni** True violet blue	20	10	5
3465	**Saint George** Brilliant orange scarlet		25	10
3466	**Sutton's Queen** Creamy buff, shaded pink	35	15	10

SWEET PEAS IN MIXTURE

MIXED SWEET PEAS IN SEPARATE SHADES

A bunch of sweet peas of pink or white or dark shades or other colors which harmonize is much more effective than a similiar bunch where all the colors are mixed together. For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

		lb	¼ lb	oz
3470	**Pink Shades** Light to deep pink	75	25	10
3472	**Red Shades** Bright rose to dark scarlet	75	25	10
3474	**Lavender and Blue Shades** Pale lavender to mauve and heliotrope	75	25	10
3475	**Purple and Maroon Shades** All the dark colors	75	25	10
3476	**White and Primrose Shades** All the delicate tints	75	25	10
3477	**Striped Sorts** Various striped combinations	75	25	10

3479 **COLLECTION OF ONE OUNCE EACH OF THE SIX SEPARATE SHADES 40c...**

		lb	¼ lb	oz	pkt
3480	**Double Mixed**	50	20	10	5
3485	**Cupid Mixed** These are low growing or dwarf varieties about one foot high and spreading to about two feet in diameter. The foliage is dark green and the stems are short, usually from three to six inches long		20	10	5
3490	**All Colors Mixed** A fair mixture	40	15	5	
3195	**Eckford's Mixture** Contains some of each of the entire list of varieties and cannot fail to give satisfaction	50	15	5	

3500 *Sweet Peas*
Vaughan's Mixture

This is the only complete and thoroughly up to date mixture in existence. It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continued joy and surprise ..... lb. $1.00, ½ lb. 50c, ¼ lb. 30c, oz. 15c, pkt. 10c

VAUGHAN'S SPECIAL

VIOLA CORNUTA
Vaughan's Improved Scotch Pansies

VERBENA Vaughan's Best Mixture

VINCA Mixed

Sweet Sultan See Centaurea.

Sweet William See Dianthus Barbatus.

Tagetes See Marigold.

3510 **THALICTRUM Adiantifolium** ♃ 2 ft. Finely cut maiden hair fern-like foliage and yellow flowers..... Pkt 10

3512 **THUNBERGIA Alata Mixed** ⊙ § 5 ft. Black eyed Susan. Beautiful trailing plants for hanging baskets and lawn vases..... Pkt ¼ oz 15c.. 5

3515 **TORENIA Fournieri Compacta** ⊙ ⌂ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue They are excellent for beds, pots or hanging baskets.... 10

3518 **Mixed**..... 5

3520 **TRITOMA Uvaria Grandiflora** ♃ 3 ft. Red Hot Poker or Torch Lily A most striking and exceedingly ornamental autumn flowering plant. The noble aspect and showy flower spikes from a dense root foliage render them valuable for shrubberies, flower borders, beds or lawns..... 10

Tropaeolum See Nasturtiums.

VERBENA HYBRIDA ⊙ 9 in.

Single plants of this pretty annual creeper will carpet a space 8 to 10 in. in diameter with neat foliage and scores of fine flowers. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The plants bloom from early summer to late fall. The best way to raise verbenas is from seed.

3525 **Defiance** The brightest color among Verbenas, a real intense scarlet..... 5

3526 **Dark Blue with White Eye** Very showy..... 5

3528 **Striped** Mostly light ground colors with red and blue stripes and streaks..... 5

3530 **Stellata Carminea** Carmine with a white eye..... 10

3532 **Stellata Purpurea** Purple and white..... 10

3534 **Stellata Coccinea** Scarlet with white eye..... 10

3535 **Good Mixed**..... 1 oz 60c; ⅛ oz 10c.. 5

3540 **Extra Choice Mixed** The above and the mammoth sorts and others..... 1 oz $1.00 ⅛ oz 15c.. 10

VERBENA HYBRIDA MAMMOTH TYPES

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542 **White**..... 10

3544 **Mayflower** Pink..... 10

3545 **Striped on White Ground**..... 10

3546 **Pink and Carmine Shades**..... 10

3548 **Firefly** Intense red..... 10

3549 **Purple** Dark purple..... 10

3550 **Mammoth Mixed** The above and others.. ¼ oz 25c.. 10

VERBENA—Continued

3555 **VAUGHAN'S BEST MIXTURE** This embraces all that is choice and desirable in Verbenas. It includes the mammoth flowered strains of three Verbena Specialists the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the whole summer. 1 oz. $3.00; ⅛ oz 50c; extra large packet 25c. Pkt 125 seeds..... 15

3556 **Dwarf Mixed** 6 in. Good for edging making an even carpet of blossoms and leaves..... 10

3557 **Citriodora** ⌂ 3 ft. Lemon scented Verbena, white... 10

3558 **Teucrioides** ⊙ 2 ft. White sweet scented..... 10

3560 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers..... 5

3575 **VERONICA Spicata** ♃ 1½ ft. An elegant hardy border plant bearing all summer, long spikes of bright blue flowers, which lengthen with age..... 10

VINCA Rosea ⌂ 1 ft. Periwinkle.

Ornamental free blooming plants; seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted and kept in bloom through the winter.

3580 **White**..... ⅛ oz 15c.. 5

3582 **White with Eye**..... ⅛ oz 15c.. 5

3584 **Pink**..... ⅛ oz 15c.. 5

3585 **Mixed**..... ¼ oz 25c.. 5

VIOLA CORNUTA ⊙ ♃ Tufted Pansies

While the pansy proper is essentially a spring flower, the violas offered here flower throughout the entire season. Seed sown in spring produce flowering plants by June, and from then on until frost they are a sheet of bloom.

3590 **White Perfection**..... ⅛ oz 25c.. 10

3592 **Lutea Splendens** Yellow..... ⅛ oz 25c.. 10

3594 **Blue Perfection**..... ⅛ oz 25c.. 10

3595 **Mixed**..... ¼ oz 40c.. 10

3600 **VAUGHAN'S IMPROVED SCOTCH PANSIES** This new strain produces flowers with "faces," every flower having a distinct face, which livens up a bed of them remarkably. The colors range from pale lavender to deep rich purple, with many charming intermediate shades... 25

ZINNIA—VAUGHAN'S GIANT-FLOWERED

3605 **VIOLA ODORATA Semperflorens** ♃ 6 in. The true blue sweet violet..... Pkt 10

3608 **The Czar** Large flowering blue..... 10

Viola Tricolor Maxima See Pansies.

3610 **VISCARIA Mixed** ⊙ 1 ft. Pretty plants with a mass of bright open flowers in red, white and blue shades..... 5

WALLFLOWER ⌐ 1½ ft. Goldlack

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and their peculiarly sweet odor, should win favor. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered over in cold frames.

3615 **Single Mixed**.....¼ oz 15c.. 5

3620 **Double Mixed**..... 10

3622 **Single Annual Mixed** ⊙ Seed sown in the open ground the first of May will commence blooming in July..... 10

WILD CUCUMBER ⊙ § 30 ft. Echinocystis Lobata

3636 This is the quickest growing climber on our list. Grows wild self sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building.....1 lb $1.50; ¼ lb 40c; 1 oz 15c; ½ oz 10c.. 5

3640 **XERANTHEMUM Double Mixed** ⊙ 2 ft. Very good Everlasting with silvery foliage and silky flowers in pink, white and purple.....¼ oz 15c.. 5

3645 **ZEA JAPONICA Quadricolor Perfecta** ⊙ 4 ft. Ornamental Japanese Maize, leaves are striped in yellow, green, rose and dark red.....¼ oz 20c.. 5

3800 **WILD FLOWER GARDEN** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, etc.....1 lb $1.00; ¼ lb 30c; 1 oz 10c.. 5

See Novelty Pages for other Zinnias

ZINNIA—CRESTED AND CURLED

WILD CUCUMBER

ZINNIA ⊙ Youth and Old Age

The double Zinnia is one of the easiest grown and most showy garden annuals. The plants come quickly from seed and are easily transplanted and make a fine display in a bed or border or among shrubs. Each flower lasts for several weeks, and the plants bloom abundantly until destroyed by frost.

Elegans Fl. Pl. Double Flowered 2½ ft. Pkt

3702 **Alba** White.....¼ oz 25c.. 10

3704 **Golden Yellow**.....¼ oz 25c.. 10

3705 **Flesh Color**.....¼ oz 25c.. 10

3706 **Rose**.....¼ oz 25c.. 10

3708 **Scarlet**.....¼ oz 25c.. 10

3710 **General Jacqueminot** Blood red.....¼ oz 25c.. 10

3712 **Zebra Striped**.....¼ oz 25c.. 10

3720 **VAUGHAN'S GIANT FLOWERED MIXED** This is a mixture of the largest Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color, showing shades not found in any former collection. Be sure and include this in your order.....¼ oz 30c.. 10

3725 **Double Good Mixed**.....1 oz 25c; ½ oz 15c.. 5

3730 **Double Crested and Curled** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the zinnias.....¼ oz 25c.. 10

3735 **Lilliput Double Mixed** 15 in. The plants form handsome little bushes and fairly bristle with tiny, short stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants, bloom all summer until late in the fall.....¼ oz 25c.. 10

3740 **Pompone Double Mixed** 2 ft. A very fine strain, containing many rich colors and shades. The flowers are in size between the Lilliput and the Large flowering varieties.....½ oz 15c.. 5

3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective.....¼ oz 25c.. 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large Daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the marigold, the gaillardia, and the chrysanthemum. They are extremely free flowering and pretty.....¼ oz 25c.. 10

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double Miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation.....¼ oz 25c.. 10

SINGLE TUBEROUS BEGONIA

Summer-Flowering Bulbs

There is nothing in floriculture that will give greater satisfaction or produce such grand results as this class of bulbs, which includes some of our showiest garden flowers. They are of the easiest culture. Planted in Spring in good garden soil they flower with great certainty during Summer and Fall. The hardy sorts may remain in the ground over Winter, but tender sorts should be taken up after the foliage dies in the Fall and the bulbs stored away in a dry, cool place until planting time the next Spring.

TUBEROUS-ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

SINGLE SORTS. **White, Scarlet, Yellow, Pink. Each, 6c, 4 for 20c, per doz 60c, per 100 $4.00, 250 for $9.00.**

SINGLE MIXED COLORS. **Each 5c, 4 for 18c, per doz 50c, per 100 $3.50.**

DOUBLE SORTS. **White, Scarlet, Yellow, Pink. Each 10c, 4 for 35c, per doz $1.00, per 100 $7.00, 250 for $15.00.**

DOUBLE MIXED COLORS. **Each 8c, 4 for 30c, per doz 80c, per 100 $6.00.**

New Free-Flowering Tuberous Begonias

BERTINI. 10 to 12 inches high; single flowering; elongated petals, vermilion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

CRISTATA. Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

CARDINAL. 12 to 15 inches high. As grown in our Trial Grounds this variety has proven to be one of the best sun resisting Begonias in existence. Flowers are single, of a dark rosy scarlet, and measure 2½ to 3 inches in diameter. Plants are of strong, vigorous habit and free-flowering. **Each 25c, 3 for 65c, per doz $2.50, per 100 $18.00.**

GRAF ZEPPELIN. Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. **Each 20c, 3 for 55, per doz $2.00, per 100 $15.00.**

LAFAYETTE. A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double, and borne upright on their stalks. One of the best for bedding, as it blooms all summer. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow withhold water and put pot away from light. Do not start growth again until bulb shows signs of life itself, which it will do (even when soil is perfectly dry) by pushing out new leaves.

BELLADONNA MAJOR. Fine variety for fall blooming very free flowering and fragrant. Flowers, which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. **Selected Bulbs, each 25c, per doz $2.50, by express at purchaser's expense.**

VITTATA HYBRIDS. These are unnamed seedlings, secured from that famous hybridizer Luther Burbank. The flowers **cannot be surpassed for their richness of color and markings;** spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet shaped flowers, measuring sometimes 10 inches across. Something new and distinct in Amaryllis and should be given a trial by everyone. **Each 50c, 3 for $1.25, per doz $4.75, 25 for $7.50, by express at purchaser's expense.**

JOHNSONI. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each 25c, 3 for 60c. Mammoth Bulbs, each 40c, 3 for $1.00, by express at purchaser's expense.**

FORMOSISSIMA. One of the most popular of the Amaryllis family. Flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over will bloom during the summer, and if lifted in early fall can be carried over winter like Gladiolus. **Large Bulbs, each 10c, 3 for 25c, per doz 90c, by express at purchaser's expense.**

NEW AND RARE CALLAS

ELLIOTIANA. Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well-known Spotted Calla—deep green with white spots. **Each 35c, 3 for $1.00, per doz $3.50.**

RHEMANNI. A new variety which has created a sensation in Europe. A strong, free grower with large flowers of a beautiful pink color. **Each 30c, 3 for 75c, per doz $2.75.**

SPOTTED LEAF. Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are pure white with dark throat. **Each 10c, per doz $1.00.**

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet scented flowers. Vines will run 25 or 40 feet in one season. **Good Roots, each 5c, per doz 50c, 100 for $3.50. Extra Large Roots, each 10c, 3 for 25c, per doz $1.00, per 100 $6.00.**

CHLIDANTHUS FRAGRANS

Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and the Tuberose. **Each 10c, 3 for 25c, per doz $1.00.**

APIOS TUBEROSA

Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria flower; are very fragrant and of a deep purple color. **2 for 10c, 5 for 20c, per doz 45c, per 100 $2.50, postpaid.**

CRINUM KIRKI

The flowers are fragrant, petals broad and white, with a deep purple reddish stripe through the center. **Large Bulbs, each 40c, 3 for $1.00, postpaid.**

CALADIUM ESCULENTUM

(*ELEPHANT'S EAR.*)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

FIRST SIZE BULBS. 1½ to 2½ inches in diameter. **Each 7c, 3 for 18c, per doz 60c, per 100 $4.00. Postage 3c each.**

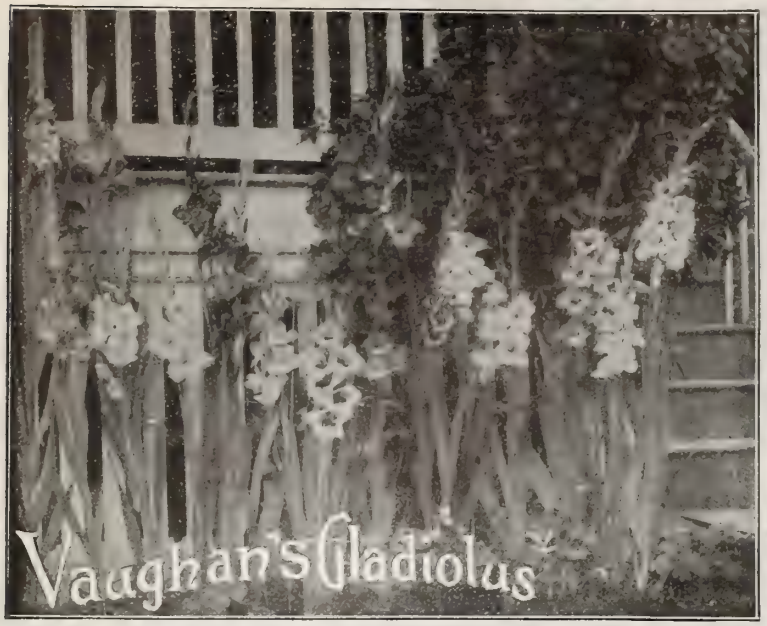
SELECT SIZE BULBS. 2½ to 3 inches in diameter. **Each 10c, 3 for 25c, per doz 85c, per 100 $6.00. Postage 5c each.**

EXTRA LARGE BULBS. 3 to 4 inches in diameter. **Each 15c, 3 for 40c, per doz $1.50, per 100 $10.00. Postage 10c each.**

MAMMOTH SIZE. Beautiful bulbs. **Each 25c, 3 for 70c, per doz $2.50, per 100 $15.00. Postage 15c each.**

FANCY LEAVED VARIETIES. Fine for decorating the conservatory, greenhouse and window boxes, also for planting outdoors when ground has become warm. **Our Selection of Varieties, each 30c, 3 for 80c, 6 for $1.50, per doz $2.50, postpaid.**

Showing Tropical Effect Obtained from Planting in Border.



GLADIOLI SPLENDID SUMMER FLOWERING BULBS

You are sure of fine flowers if you plant Gladiolus, the most attractive of all summer flowering bulbs. They need only a little culture to keep the weeds down, will grow in any good garden soil and with ordinary rainfall seldom fail to flower the same season because their growth is assured from the stored up strength in the bulbs. Wonderful improvements have been made recently in the size and colorings of these flowers. Having the greatest faith in the future of the Gladiolus we are increasing our stocks and plantings by adding all new hybrids both in the named kinds and high grade mixtures here offered. We now have six gardens and storehouses east and west for producing our supply. The best time to plant is about the first of May, but they may be planted by the 20th of April in the central states. A succession of bloom may be had from July to October by making plantings ten days apart.

You will make no mistake in buying all Gladiolus bulbs at our stores.

☞ Prices on single bulbs and dozens include postage; 50 and 100 lots are not prepaid.

AUGUSTA. Pure white, blue anthers. **Each 4c, doz 40c, 100 for $2.50.**

BRENCHLEYENSIS. Intense fiery scarlet. Very showy. **Each 3c, doz 25c 100 for $1.75.**

CANARY BIRD. Clear canary yellow; finest yellow Gladiolus in existence. **Each 10c, doz $1.00.**

CERES. White, spotted purplish rose. **Each 3c, doz 30c, 100 for $1.75.**

CHAMONT. Lilac shaded purple. **Each 10c, doz $1.00.**

CHRYSOLORA. Golden yellow, fine variety. **Each 25c, doz $2.00.**

CONTRAST. Color intense scarlet, with large pure white center. Flowers are of great substance. **Each 30c, doz $3.00.**

CORSAIRE. Dark velvety scarlet, compact spike. **Each 8c, doz 85c.**

COUNTESS CRAVEN. Rose flaked carmine. **Each 10c, doz $1.00.**

DAWN. Beautiful shell pink, fine cut flower. **Each 20c, 3 for 55c, doz $2.00.**

EMMA THURSBY. Striped carmine, on white ground. **Each 8c, doz 80c.**

EUGENE SCRIBE. Tender rose, blazed carmine red. **Each 8c, doz 75c.**

GLORY OF BRIGHTWOOD. Scarlet, lemon throat. **Each 8c, doz 75c.**

ISAAC BUCHANAN. Fine clear yellow, large spike. **Each 8c, doz 75c.**

JESSIE. Rich velvety red, fine spike, early bloomer. **Each 5c, doz 50c.**

MADAM MONNERET. Rose color. **Each 5c, doz 50c, 100 for $3.00.**

MAY. Pure white flaked rosy crimson. **Each 5c, doz 50c.**

MARGARET. Brilliant carmine, with large white blotch on lower petals. **Each 25c, 3 for 65c, doz $2.50.**

OCTOROON. Clear salmon pink, large flowers. **Each 8c, doz 75c.**

REINE BLANCHE. Pure white, dark carmine blotch. **Each 5c, doz 50c.**

SHAKESPEARE. Blush white with large rosy blotch. **Each 8c, doz 75c, 100 for $5.00.**

SULPHUR KING. One of the best and clearest yellows, fine large spike. **Each 20c, doz $2.00.**

SPECIAL OFFER, No. 500B. Two each of following six, mailed postpaid for 50c. Augusta, Ceres, Eugene Scribe, Isaac Buchanan, Octoroon, Shakespeare.

GIANT FLOWERED—Childsii Type

There are positively no Gladioli in the world that equal the best named kinds of this Grand Class, perfected and developed by the world's greatest Gladioli expert the late Edward V. Hallock.

There are scores of so-called Hybridizers and self-exploited experts in America but they can all be forgotten when you plant 25 different named Childsii kinds.

ALINE. Pure white, slightly striped crimson, flower is wide open. **Each 30c; doz $3.00.**

ATTRACTION. Deep rich crimson, with large white center and throat. **Each 10c, doz $1.00.**

BLANCHE. Large pure white flowers with but faint markings. Plant is of medium height and is rarely blown over. **Each 15c, doz $1.50.**

BRILLIANT. Orange red, carmine and white throat. **Each 6c, doz 60c.**

CARDINAL. Large handsome spike; color, clearest and most intense scarlet. **Each 15c, doz $1.50.**

COLUMBIA. Light orange, scarlet, blotched and penciled with bluish purple. Throat freely mottled. **Each 7c, doz 70c.**

DEBORAH. Dark red, tinged with amaranth. **Each 10c, doz $1.00.**

EVA. Rose shaded, marked with slate. **Each 8c, doz 80c.**

GOVERNOR McCORMICK. Large flower and truss. Beautiful rose, mottled with silver gray, white throat. **Each 10c, doz $1.00.**

HENRY GILLMAN. Salmon scarlet, white bands. **Each 5c, doz 50c.**

IRENE. Pink flaked with crimson, open flower. **Each 8c. doz 75c.**

I. S. HENDRICKSON. Large handsome spikes, color an irregular mottling of white and pink. **Each 10c, doz $1.00.**

KATE. Fine blush white, crimson blotch in throat. **Each 5c, doz 50c.**

LITTLE BLUSH. Blush white, dwarf. **Each 7c, doz 75c.**

MOHONK. Dark pink, spotted throat; large, **Each 10c, doz $1.00.**

MRS. BEECHER. Beautiful deep rosy crimson, well opened flower, pure white throat freely marked and spotted. **Each 20c, doz $2.00.**

SUNLIGHT. Light crimson with canary yellow throat. **Each 10c, doz $1.00.**

SUPERB. Large flower, pink, flaked and striped with salmon pink. **Each 5c, doz 50c.**

VARIABILIS. Blue black flaked pink. **Each 8c, doz 75c.**

WM. FALCONER. Flowers of enormous size, light pink and blush mottled. **Each 10c, doz $1.00.**

SPECIAL OFFER, No. 600B: Two each of the following six varieties, sent by mail postpaid for 75c. **Blanche, Columbia, Henry Gillman, Mohonk, Kate, Wm. Falconer.**

BLUE HYBRID SEEDLINGS

This mixture is the result of sowing seeds of the best blue shades obtainable from Europe and this country, and the variation of colors is beyond description. Prices: **Each 10c, 3 for 25c, doz 75c, prepaid; 100, $5.00 by express.**

VAUGHAN'S BORDER COLLECTION

This collection consists of ten of the best standard varieties selected from our list and cannot be surpassed for border planting. Princeps, the $1000 scarlet; Aline, extra large, open white; Blanche, white with faint marks; Contrast, intense scarlet, white center; Mrs. Francis King, light scarlet; America, soft flesh pink; Baron Hulot, finest blue; Isaac Hendrickson, large white and pink; Shakespeare, white suffused rose; Canary Bird, finest yellow.

10 Bulbs, one of each variety, for	$ 1.30, prepaid
50 " five " " " "	6.25, prepaid
100 " ten " " " "	12.00, prepaid

GLADIOLS IN COLORS

All large flowering bulbs,

	—Postpaid— Each	Doz.	Express at buyer's expense. Per 50	Per 100.
Red and Scarlet Shades	$0 04	$0 35	$0 85	$1 50
Scarlet White Throat	06	50	1 35	2 50
Pink Shades	05	40	1 10	2 00
Yellow Shades	07	65	2 50	4 50
Striped Shades	06	50	2 00	3 50

GLADIOLUS MIXTURES

It is a well-known fact that some varieties of Gladiolus multiply much more rapidly than others and as a result Gladiolus grown in mixture, unless very carefully watched, will deteriorate very rapidly. Recognizing this fact we make all of our mixtures of these bulbs ourselves, using named varieties and mixtures of proven merit. By this method we can safely promise our customers satisfaction when buying our mixtures.

RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we believe unexcelled by that offered by any other American firm. **Price, 4 for 25c, doz 70c, postpaid; by express, 50 for $2.25, 100 for $4.00. 250 for $9.00.**

EXTRA FINE

This splendid mixture is grown for us by Gladioli specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types. **Price, 4 for 20c, doz 50c, postpaid; by express, 50 for $1.65, 100 for $2.85.**

"CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedlings not yet named. **Price, 4 for 20c, doz 50c, postpaid; by express, 50 for $1.75, 100 for $3.25.**

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excellent values. **Price, 4 for 15c, doz 40c, postpaid; by express, 50 for $1.25, 100 for $2.00, 250 for $4.00.**

LEMOINE'S HYBRIDS

This distinct type is known also as Butterfly Gladioli. The flowers are somewhat hooded, but the colors are brilliantly blotched and marked. Flower spikes do best when staked. **Price, each 5c, doz 25c, postpaid; by express, 25 for 45c, 100 for $1.75.**

GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make brilliant showing in the gardens of our customers. This one, our cheapest, which we call "GOOD MIXED," will be found satisfactory for everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are to be planted. **Price, 4 for 12c, doz 30c, postpaid; by express, 50 for 90c, 100 for $1.50, 250 for $3.00, 500 for $5.50.**

TUBEROSE

TUBEROSES

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the **choicest bulbs** which the market produces for our catalogue trade.

EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms. **Price, each 7c, 4 for 25c, per doz 65c, postpaid; by express, each 5c, per doz 50c, per 100 $3.00. We supply 25 and over at the 100 rate.**

FIRST SIZE BULBS—**3 for 15c, per doz 50c, postpaid; by express, 3 for 12c, per doz 35c, per 100 $2.00.**

SECOND SIZE BULBS—All-flowering; often sold by so-called "bargain stores" under the name "first-class." **6 for 15c, per doz 25c, postpaid; by express, 6 for 12c, per doz 20c, per 100 $1.00.**

ARMSTRONG'S EVER-BLOOMING

This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in every one's garden. **Each 7c, 4 for 25c, per doz 60c, postpaid.**

SILVER-LEAVED—This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. **Each 5c, per doz 50c, postpaid.**

ALBINO—New branching single variety, blooming much earlier than the old single variety; fine for cut-flowers. **Each 5c, per doz 40c, postpaid.**

GLOXINIAS—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet-shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and the plant will lose part of its beauty.

EMPEROR FREDERICK—Red, with a pure white border.

MONT BLANC—Pure white.

DEFIANCE—Rich crimson-scarlet.

EMPEROR WILLIAM—Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 12c, 3 for 35c, doz $1.25, prepaid. Mixed Colors, ea 10c, 3 for 25c, doz $1.00, prepaid.

ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. **Each 20c, 3 for 50c, per doz $1.75.**

MADEIRA VINES

One of the best and most popular climbers, not for the flower which is insignificant, but for its leaves which are small dark green and very dense. Vine is of slender growth and will succeed in any location, doing best however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong Tubers. **Each 5c, 3 for 12 cents, per doz 40c, postpaid; 25 for 75c, 100 for $2.50 by express.**

MONTBRETIAS

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Mixed varieties, **3 for 10c, per doz 30c, 100 for $2.00, postpaid.**

SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous show of bloom. Pure white, pink or red. Either color. **Per doz 10c, 35 for 25c, 100 for 50c, postpaid.**

SPIDER LILY, PANCRATIUM

Beautiful flat clusters of large pure white flowers, the petals of which are narrowed and wide spread, giving each a "spidery" effect. They have a sweet fragrance that is not oppressive. Price, large bulbs, **each 15c, doz $1.50.**

ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as a Gladiolus.

ROSEA—Beautiful clear rose; flowers large and very handsome; blooms all summer. **Each 5c, doz 50c, postpaid.**

CANDIDA—Pure white and the most profuse bloomer of all. **3 for 10c, per doz 30c, 100 for $2.00, postpaid.**

SURPRISE COLLECTION

85 BULBS FOR $1.50

SENT BY EXPRESS AT BUYER'S EXPENSE

12	*Madeira Vines*	12	*Montbretias*
7	*Hyacinthus Candicans*	36	*Oxalis in Three Colors*
3	*Zephyranthus Candida*	3	*Ismene Calathina*
12	*Tube Roses Dwarf Pearl*		

HYACINTHUS CANDICANS

(*SUMMER HYACINTHS*)

Splendid bulb for planting in the perennial border, being perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. **Each 5c, 3 for 12c, per doz 45c, postpaid; by express, 25 for 80c, 100 for $3.00.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat; foliage is luxuriant. One of the best climbers for northern latitudes.

FIRST SIZE ROOTS—**Postpaid, 15c, per doz $1.50.**

EXTRA SIZE ROOTS—**By express, each 25c, per doz $2.50.**

GLOXINIA

LILIUM AURATUM

Hardy Garden Lilies

AURATUM—Gold Banded

The most beautiful and popular variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Postpaid. Each.	Postpaid. Three.	By Express, Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 25	$1 75	$ 6 00
Mammoth, 9-11 in.	35	95	1 75	3 00	11 00
Monster, 11-12 in.	50	1 35	2 50	4 50	16 00

SPECIOSUM ALBUM—White

Splendid companion variety for Auratum and Rubrum.

Pure white, with beautiful recurved petals, very fragrant. This, with Rubrum and Melpomene, belongs to the Speciosum section. By Express,

	Postpaid. Each.	Postpaid. Three.	Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 35	$0 95	$1 75	$3 00	$11 00
Mammoth, 9-11 in.	50	1 35	3 00	5 00	18 00

SPECIOSUM RUBRUM—Crimson Banded

We consider this the most satisfactory of the Speciosum class. Once planted in a favorable location will last for years. Flowers are white with a deep rosy crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class.

	Postpaid. Each.	Postpaid. Three.	By Express, Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 25	$1 75	$ 6 00
Mammoth, 9-11 in.	35	95	1 75	3 00	11 00
Monster, 11-12 in.	50	1 35	2 50	4 50	16 00

SPECIOSUM MELPOMENE

A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals are recurved and widely bordered.

	Postpaid. Each.	Postpaid. Three.	By Express, Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 50	$2 25	$ 8 00
Mammoth, 9-11 in.	35	95	1 85	3 25	12 00

AURATUM PLATYPHYLLUM. A marked improvement over the old Auratum. Flower large, often measuring 10 in. across. **Each 25c, doz $2.50, 100 $20.00.**

CANADENSE (Meadow Lily) Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows, perfectly hardy. Fine bulbs, **each 10c, doz, $1.00, postpaid.**

HENRYI. Bright apricot yellow with Speciosum form, tall growing, free flowering. **Each 75c, postpaid.**

ELEGANS MIXED This large showy lily, bright orange red, has proven hardy and effective for both beds and borders. **Each 10c, 3 for 25c; doz $1.00, postpaid.**

LILIUM HANSONI Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable; a native of Japan, and although in price a trifle high, this beautiful lily should have a place in every garden. Under favorable conditions it attains a height of 3 to 4 ft. **Each 35c postpaid; per doz $3.50, by express at purchaser's expense.**

LILY COLLECTION
12 BULBS
One each of the most hardy and desirable sorts
Postpaid, for $1.75

LILIUM HANSONI

PARDALINUM (Leopard Lily). Rich scarlet and yellow flower spotted with rich brown. Robust and free-flowering. A superb lily; gives greatest possible satisfaction; succeeds in all situations. **Each 12c, 3 for 30c, per doz. $1.20, postpaid; by express, 25 for $2.25; per 100 $8.00.**

SUPERBUM The finest of the native Lilies. Fowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant bearing from 20 to 30 flowers. **Each 10c, Per doz. $1.00, postpaid; by express, 25 for $2.00, per 100 $7.00.**

TENUIFOLIUM (Siberian Lily). A native of Siberia. One of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free flowering, blooming early in the spring. It is very easy of cultivation, requiring only a well drained sandy soil. **Each 15c, doz. $1.50.**

TIGRINUM SPLENDENS (Improved Single Tiger Lily). Very hardy native Lily; orange-red, spotted purple-black. Pretty and bears 8 to 20 flowers when well established. **Each 12c, per doz. $1.20. postpaid; by express, 25 for $2.00, per 100 $7.00.**

TIGRINUM FLORE PLENO. The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. **Each 12c, per doz. $1.25, postpaid; by express, 25 for $2.25, per 100 $8.00.**

UMBELLATUM. A splendid hardy Lily, and should be found in every garden; it makes a beautiful companion to L. Candidum, as it comes into bloom at the same time, and they make a rich combination of color if planted together. Colors range from deepest red through all shades of crimson, rose, yellow, buff, apricot; blooms about June 20. **Each 15c, per doz $1.50, postpaid; by express, 25 for $2.50, per 100, $9.00.**

LILIUM RUBRUM

LILY-OF-THE-VALLEY

No garden is complete without a bed of these fragrant flowers. Should be planted in a shady place, where if left to themselves they will spread and increase rapidly. For planting outdoors the clumps are generally used, the pips being for indoor forcing; they, however, will give good satisfaction planted outdoors, as each pip contains a flower, which is not always the case with the pips found in the clumps.

LARGE IMPORTED CLUMPS. Planted in a shady, moist situation, being one of the hardiest of flowers, they require little or no protection. **Each 35c, per doz $3.50, 25 for $6.25; by express or freight at buyer's expense. If wanted by mail, add 20c each for postage.**

COLD STORAGE PIPS FOR GREENHOUSE FORCING. Finest imported quality. Prompt delivery, any quantity, but not less than 100 pips at a time.
Price per 100 $2.50 250 for $5.50, 500 for $10.50, 1000 for $20.00, by express.

LARGE FLOWERING GERMAN PIPS. **Six for 15c, 12 for 25c, postpaid; by express 25 for 40c, 100 for $1.50, 250 for $3.50, 500 for $6.50, 1000 for $12.00.**

PLANT DEPARTMENT

Unless instructed to the contrary, all orders are forwarded by express, at buyer's expense

Plants by Mail. Small plants, **when ordered at the "each" price,** will be sent free by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. At the purchaser's expense, but at 20% less than the general merchandise rate. We strongly urge this method of transportation as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent **by express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

COMBINATION BED OF CASTOR BEANS, KING HUMBERT CANNA, PENNISETUM LONGISTYLUM, S. A. NUTT GERANIUM AND MME. SALLEROI GERANIUM

Combination Bed—10 Feet in Diameter

Center .... 1 Castor Bean

1st row, 36 in. Diameter, 6 Canna King Humbert .... 18 in. apart
2nd row, 66 in. " 18 Pennisetum Longistylum..... 11 in. apart
3rd row, 96 in. Diameter, 24 Geranium S. A. Nutt..... 12 in. apart
4th row, 104 in. " 40 Geranium Mme. Salleroi.... 8 in. apart

Larger sized beds will be priced on request.

Small Size plants, $6.50; Larger Size plants, $9.00. By express at buyer's expense.

BEDDING PLANTS

Do not plant these varieties until all danger of frost is over. Stock is ready for shipping about May 1st.

Prices for single plants, from small pots, include postage; larger plants, from 3-in. pots and up, dozen and hundred lots are expressed at buyer's expense.

Where "each" price is **10 cents,** we supply **3 for 25 cents.**
Where "each" price is **15 cents** we supply **3 for 40 cents.**
Unless otherwise noted, all plants are from 2½-in. pots.

Where "each" price is **20 cents** we supply **3 for 50 cents.**
Where "each" price is **25 cents** we supply **3 for 65 cents.**
The ultimate heights of the various border plants are indicated.

	Each	Doz.	100
ABUTILON Savitzi. Leaves variegated green and white. 12-18 in. For borders	$0.10	$1.00	$ 7.00
AGERATUM, Little Blue Star. Flowers intense blue. 6 to 8 in. For borders	.10	1.00	7.00
3 in. pots	.15	1.50	10.00
ALTERNANTHERA, Green or Red foliage. 4 to 6 in. For carpet bedding and edging	.10	1.00	6.00
ALYSSUM, Little Gem. Pure white, sweet, 4 to 6 in. For borders	.10	.75	5.00
ANTIRRHINUM, Vaughan's Select Strain. Tall. Pink, red, white, yellow or mixed	.10	.75	5.00
ASTERS, Vaughan's Giant Branching. Lavender, rose pink, shell pink, purple, white or mixed.			
Transplanted seedlings		.30	2.00
Pot grown, 2 in.		.60	4.00
BEGONIA, Fairy Queen. Deep pink changing to rose. 10 to 12 in. For bedding	.15	1.50	10.00
Luminosa. Bright scarlet. Red foliage	.15	1.50	10.00
Vernon. Bright red. Flowers freely	.15	1.25	8.00
CALADIUM Esculentum. (Elephant's Ear.)			
Started plants, 5 in. pots	.35	3.00	20.00
Started plants, 6 in. pots	.50	4.00	30.00
Fancy Leaved. (See House Plants.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or red foliage plants for center of beds. Tall	.10	1.00	6.00
CENTAUREA Gymnocarpa. (Dusty Miller) Grayish leaves. 8 to 12 in. For borders	.10	1.00	6.00

	Each	Doz.	100
COLEUS, Anna Pfister. Bright yellow and crimson. 12 to 14 in.	$0.10	$1.00	$6.00
Golden Bedder. Large yellow leaves. 12 to 14 in.	.10	1.00	6.00
John Pfister. Crimson edged with gold. 12 to 14 in.	.10	1.00	6.00
Verschaffelti. Large dark crimson leaves. 12 to 14 in.	.10	1.00	6.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers	.10	1.00	6.00
Lady Lenox. Late, shell pink. Large flowers	.10	1.00	6.00
Late Giant Flowering. Crimson, pink, white or mixed	.10	1.00	6.00
DAISY, English, Mammoth. Pink or white	.10	.75	5.00
DRACAENA Indivisa. Long narrow green leaves; centers of vases, beds and window-boxes. 4 in. pot plants	.25	2.50	
Larger plants, **each 50 cents, 75 cents and $1.00.**			
ECHEVERIA. (Hen and Chickens) Grayish. For carpet bedding	.15	1.25	8.00
FEVERFEW, Double White	.10	1.00	7.00
Golden Feather. 4 to 6 in. For borders	.10	.75	5.00
HELIOTROPE Centefleur. Dark purple	.15	1.25	8.00
Mammoth Mixed. 4 in. pots	.20	1.75	12.00
LOBELIA, Bedding Queen. Dark blue	.10	.75	5.00

KENTIA BELMOREANA

BOSTON FERN

PHOENIX ROEBELENII

BEDDING PLANTS—Continued

	Each	Doz.	100
MARGUERITE, Mrs. F. Sander. (New) Large pure white	$ .25	$2.50	
Queen Alexandra. Pure white	.15	1.25	$ 8.00
4 in. pots	.20	2.00	15.00
MUSA Ensete. (Banana Plant.) 35 cents, 50 cents and $1.00.			
PANICUM Plicatum. Variegated green and white. 2 to 2½ ft. For borders of Canna beds	.20	1.75	12.00
PANSY, Vaughan's International Mixture. Transplanted seedlings		.50	3.50
PENNISETUM Longistylum. Graceful white plume. 12 to 18 in. For borders of Canna beds	.10	1.00	6.00
Ruppelianum. Purplish plumes. Beautiful foliage. 3 ft. For borders of Canna beds	.10	1.00	6.00
PETUNIA, Purity. Double white	.15	1.50	
Rosy Morn. Rose with white markings	.10	1.00	6.00
Finest Double Mixed	.15	1.50	
Single Fringed	.10	1.00	6.00
PHLOX Drummondi. Pink, scarlet, white and mixed 8 in. For borders	.10	.75	5.00
SALVIA. (Scarlet Sage.) Tall or dwarf	.10	1.00	6.00
4 in. pots	.20	1.75	12.00
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed	.10	.75	5.00
Lemon Scented. Delightful fragrance	.15	1.50	

HALF HARDY OR SUMMER VINES

COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 2 in. pot plants	.15	1.50	10.00
4 in. pot plants	.30	3.00	
IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases	.15	1.50	10.00
4 in. pot plants	.25	2.50	18.00
German (Parlor Ivy.) 2 in. pot plants	.15	1.50	10.00
3 in. pot plants	.20	1.75	12.00
MOONFLOWER, Blue (Ipomoea Leari.) A beautiful satiny blue	.15	1.50	10.00
3 in. pot plants	.20	2.00	15.00
White. Large flowers	.15	1.50	10.00
4 in. pot plants	.25	2.50	18.00
MADEIRA VINES. One of the best and most popular climbers, not for the flower which is insignificant, but for its leaves which are small dark green and very dense. Vine is of slender growth and will succeed in any location, doing best however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong tubers	.05	.40	2.50
SMILAX. Fine for festoons and other decorations	.15	1.50	10.00
THUNBERGIA. (Black Eyed Susan.) A beautiful trailing vine, flowers yellow with black center. Fine for hanging baskets and vases	.15	1.25	6.00
VINCA Major Variegata. For basket and vase work. 4 in. pot plants	.25	2.50	18.00
5 in. pot plants	.35	3.50	
Minor (Grave Myrtle) Evergreen	.15	1.50	10.00

DECORATIVE AND HOUSE PLANTS

ARAUCARIA (Norfolk Island Pine.) 12 in. high, **$1.00 each, by express.**

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. **15 cents each, postpaid.** Larger plants, **25 cents and 50 cents each, by express.** **Sprengeri.** Suitable for hanging baskets, **15 cents each, postpaid.** 4 in. pot plants, **25 cents each, by express.**

ASPIDISTRA Green or Variegated. (Iron Plant.) **$1.50 and $2.00 each, by express.**

AUCUBA Japonica Variegata. Much prized for hall and porch decoration. Large glossy green leaves, spotted yellow. 15-18 in. high, by express, **each $1.00, 3 for $2.75.** 24-30 in. high, by express, **each $2.00, 3 for $5.50.**

CALADIUMS Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Bulbs **each 30 cents, 6 for $1.50; doz., $2.50, postpaid.**

CROTONS. The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. Small plants, **each 30 cents; doz., $3.00.** Larger plants, **each 50 cents; specimens, each $1.00, $1.50, $2.00 and $3.00, by express.**

CYCAS REVOLUTA. (Sago Palm.) Handsome green foliaged decorative plant. Strong plants from **$1.00 to $5.00 each, by express.**

CYPERUS ALTERNIFOLIUS. (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, **each 15 cents;** 4-in. pots, **each 25 cents.**

DIEFFENBACHIA.
Magnifica. Foliage shining green, beautifully variegated with pure white spots. **Each 50 cents; $1.00 and $1.50, by express.**

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pot plants, **each 25 cents; doz., $2.50, by express.** 5 in. pot plants, **each 50 cents, doz., $5.00 by express.**
Lindeni, Massangeana and **Terminalis** in various sizes for conservatories. **75 cents to $2.00 each, by express.**

FERNS. Boston. The common house variety so deservedly popular. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **50 cents, 75 cents, $1.25.** Specimens, **$3.00 to $6.00. All by express.**
Maiden Hair. (Adiantum Hybridum.) **20 cents each; 3 for 50 cents, postpaid.**
Small Ferns for Dishes. One each, 8 distinct varieties, dwarf in habit suitable for ferneries. **15 cents each; 3 for 40 cents; 8 for $1.00, postpaid.**
Whitmani (Ostrich Plume Fern.) Finely divided fronds resembling a plume, **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each, by express.**

FICUS Elastica (Rubber Tree.) 12 in. high, **60 cents each, by express.**
Pandurata (The Large Leaved Rubber Tree.) **$1.25 up to $5.00 each, by express.**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-year at **50 cents each;** 3-year at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00, all by express.**

PALMS. In **Kentias, Latanias** and **Phoenix** we have a choice line of plants **50 cents** each and up, and shall be glad to submit prices on sizes to suit.

PHOENIX Roebeleni (The Iron Palm.)
This may truly be styled the Iron Palm as it is absolutely the hardiest of the decorative plants. It is more hardy than the Kentia and has a beauty that no other palm possesses. Its foliage is fine and has a grace and airiness greater than the remarkable Cocos which it has replaced both as individual specimens and as centers of fern dishes.
As yet this Phoenix is almost unknown, but it is finding more favor with our customers and is destined to be the house plant of the future. The above illustration cannot begin to do this palm justice.

Inch pots	Inches high	Each	Inch pots	Inches high	Each
3	6 to 8	$0.50	5	12 to 15	$2.00
4	10	1.00	6	18	3.00
			7	20	5.00

Specimens, very bushy in 8-in. tubs, each $6.00.

PANDANUS (Screw Pine.) Useful as specimens or for centers of vases and window-boxes.
Utilis. Green leaves, red spines. **50 cents and 75 cents each, by express.**
Veitchii. Variegated green and white. **$1.00, $2.00 and $3.00 each, by express.**

HUNGARIA

KING HUMBERT, (The Best of all Cannas)

LONG BRANCH

VAUGHAN'S CANNAS

Our Cannas have painted in gorgeous colors—in scarlet, yellow and bronze—the yards of the finest homes, the station grounds and the parks all over the land. Their foliage is tropical and effective; the big flower spikes are always a mass of bloom from July 4th until frost.

Our Canna fields at Western Springs when in bloom in August and September make a grand showing. They attract thousands of visitors, both professional and amateurs. We grow all of the standard kinds, many of the novelties, and discard the inferior ones every year as the improved merits of the newer ones are proven.

Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

NEW CANNA—Vaughan's Giant White

The flowers of this new Canna, of which we hold the entire stock, is of the purest ivory white; they are of gigantic size, the petals measuring 2½ in. in diameter. The flowers do not burn in the hottest sun. The foliage is strong, vigorous and of a bright dark green.

Price each, $1.50, 3 for $4.00.

KING HUMBERT—King of all Cannas

Giant Flowered. Orange Scarlet. Bronze Leaf.

This remarkable "Gold Medal" Canna has been the sensation of the past six years. Of all the wonderful flowering and foliage plants introduced, this one takes the lead for size, color and habit. It is a cross between the Orchid flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other; the handsome leathery foliage with a strong, noble habit. It has the broadest leaves.

It is so distinctly in advance of any other Canna, that the demand for and use of it has become universal. We have taken the highest awards with it wherever shown in competition. For it we received a gold medal at St. Louis; it was the central figure in our "Grand Prize Exhibit." Be sure to order this one.

PRICES

	Each	3 for	Doz.	100
2½ in. pots	$0.15	$0.40	$1.25	$ 8.00
3 in. pots	.20	.70	1.50	10.00
4 in. pots	.30	.80	2.50	18.00
5 in. pots	.40	1.10	4.00	25.00

VAUGHAN'S COLLECTION OF CHOICE VARIETIES

Adolph Grimminger. Foliage broad dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of enormous size. **Each 50c, 3 for $1.00.**

Charles Lutz. A magnificent new sort, foliage large, vigorous and of a healthy green. Flowers very large yellow, might describe this as a green-leaved, yellow flowering King Humbert, because it has the same massive foliage and immense flowers as that "Best of all Cannas." **Each 50c, 3 for $1.00.**

Feuermeer. 5 ft. Deep green foliage. Very free and robust grower, throwing up many strong flower spikes. Early. Blooms large and of a clear crimson scarlet without markings. **Each 25c, 3 for 60c.**

Garam. Foliage green, of magnificent growth, trusses very large, flowers of magnificent build, fiery carmine, cinnabar red. **Each 50c, 3 for $1.00.**

Hungaria. Originated from crossings with Mad. Margaret Muhle, very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each 50c, 3 for $1.00.**

John Farquhar. Foliage bright, magnificent metallic brown red of particular beauty. Flowers salmon red streaked orange. The flowers which are borne well above the foliage form a beautiful contrast over the magnificent foliage. **Each 50c, 3 for $1.00.**

Julius Koch. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. **Each 50c, 3 for $1.00.**

Long Branch. 5 ft. Tough, leathery, green foliage. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow, and stands the sun equally as well as King Humbert. **Each 25c, 3 for 60c.**

Montreal. 4 ft. A new French Canna which is almost an exact counterpart of that grandest of all Cannas, King Humbert, having the same rich red vigorous leaves of mammoth dimensions, the same large flower head and gigantic blooms, but the color is distinct, being a rich vermilion scarlet. **Each 35c, 3 for 85c.**

New Chicago. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. **Each 35c, 3 for 85c.**

Pfitzer's Meteor. A clear orange scarlet, strong robust grower and extra free flowering. **Each 35c, 3 for 85c.**

Prince Wied. Foliage dark green, flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best red Cannas of dwarf growth, attaining a height of about three feet. **Each 50c, 3 for $1.00.**

Stuttgartia. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect above the foliage, having four broad petals of uniform size. The variety has the size of Orchid-flowering Cannas, as well as the richness of the Crozy types. **Each 50c, 3 for $1.00.**

Wm Sanders. Rich bronze foliage; color a deep rich, shining scarlet. **Each 25c, 3 for 60c.**

Special Offer 882 A. One each of the above 14 Cannas, strong plants, for **$4.00, by express,** at buyer's expense.

Special Offer 882 B. One each Hungaria, King Humbert and Long Branch, strong plants, for **65c, postpaid.** (See illustrations.)

VAUGHAN'S BEST BEDDING CANNAS

FLORENCE VAUGHAN

BEDDING CANNAS

The choicest from sixty best kinds, revised to December 1911. These are all of the large and free flowering Crozy type, and embrace the entire range of color known to this remarkable class of plants.

Our Canna Prices for single plants, from 2½ in. pots, 3 of a kind and dozen lots include postage (if wanted sent in that manner), larger lots and plants from 3, 4 and 5 in. pots are sent by express at buyer's expense.

ORCHID FLOWERING VARIETIES

Allemania. 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
Burbank. 5 ft. Green foliage. Purchased and introduced by us from the originator, Mr. Luther Burbank, of California. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.
Frederic Benary. 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.
Louisiana. 6 ft. Very large beautiful vivid scarlet Orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
New York. 5 ft. Dark bronze foliage, with the Orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.

CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

Beaute Poitevine. 3½ ft. Lage crimson flowers of a beautiful shade, much admired.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Comte de Sachs. 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large. 1st size **20c each,** dozen **$2.00 prepaid.** 2nd size, **by express, each 30c, doz. $3.00.**
Milwaukee. 3½-4 ft. Flower rich, deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna. Prices and sizes same as Comte de Sachs. **Each 20c; doz. $2.00.**

BRONZE-LEAVED VARIETIES

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
Director Freudeman. Foliage brown red, flowers scarlet with orange reflex.
Discolor. 6-8 ft. Used for foliage effect, musa-like foliage.
Egandale. 4 ft. Bronze foliage. Considered by experts the best in this class. Strong, compact flower spikes. Color currant red.
Graf. Waldersee. 4 ft. Large flowers of orange scarlet. Fine show. **Each 20c, 3 for 50c.**
J. C. Vaughan. Purple foliage. Flower large. Color clear, deep orange.
King Humbert. (See page 93.)
Leonard Vaughan. 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
Mlle. Paul Cazeneuve. 4 ft. Large flowers of rosy pink, very striking with the dark bronze foliage.
Souv. de J. H. Krelage. 4 ft. Foliage metallic brown, extra large and broad. The flowers are gigantic in size, zinnabar red. Borne in faultless trusses.

PINK WITH GREEN FOLIAGE

Betsy Ross. 3½ ft. Compact, bushy habit. The flowers are large and of a beautiful soft pink.
Mlle. Charlotte Mongeot. Very large, well shaped flowers of beautiful cherry carmine.

GILT EDGE VARIETIES

All with Green Foliage and Scarlet Flowers with Yellow Edges.
General Merkel. Foliage light green, flowers brilliant red, spotted dark yellow in the center and surrounded by a yellow margin. Very free blooming. This variety might be called an Orchid-flowered Souv. de Antoine Crozy.
Mad. Crozy. 3½ ft. Vermillion with gold border. The sort which popularized the Canna.
Multiflora. Very bright vermillion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.
Niagara. 3 ft. Color, rich deep crimson with a wide irregular border of deep golden yellow.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

YELLOW SHADES GREEN FOLIAGE

Buttercup. 3½ ft. A true bright buttercup yellow, large.
Dwarf Florence Vaughan. Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.
Florence Vaughan. 5 ft. The most famous of all Cannas. It still remains the best type of new Cannas. The flowers are rich golden yellow, thickly dotted with bright golden red.

WHITE SHADES GREEN FOLIAGE

Frau Maria Nagel. 3 ft. Loosely formed flowers of a creamy white fading to pure white.
Improved Mont Blanc. Large pure white. The plant is very robust and carries its flowers well above the foliage. **Each 20c, doz. $2.00.**
Maros. Foliage green, medium high, truss large, flower round, color almost white. One of the best white varieties.
Tisza. Foliage bluish green, of medium height, very strong and luxuriant, flowers very large, round and almost pure white with faint spots of red.

PRICES: The above Cannas except where noted

	Each	3 for	Doz.	100
1st size plants from 2½ in. pots, postpaid	**$0.15**	**$0.35**	**$1.25**	**$ 8.00**
2nd size plants from 3 in. pots, by express	**.15**	**.40**	**1.50**	**12.00**
3rd size strong plants from 4 in. pots, by express; this size will be ready May 15, will commence to bloom in a short while	**.25**	**.65**	**2.50**	**18.00**

VAUGHAN'S CANNA BED COLLECTIONS

Note that we offer the plants in two sizes.
First size, from 2½ in. pots. **Larger size,** from 4 in. pots, ready to bloom.

CANNA BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); **6 Egandale,** bronze (middle row); **12 Mad. Crozy** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 19 plants, first size	**$1.75**	**$2.00**
The 19 plants, large size, ready to bloom	**3.00**	**3.50**

CANNA BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); **6 Dwarf Florence Vaughan** (middle row); **18 Salvia Zurich** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 7 Cannas and 18 Salvias, first size	**$2.25**	**$2.50**
The 25 plants, large size	**3.75**	**4.00**

CANNA BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows); **36 Pennisetum Longistylum** (outside row), from 2 in. pots. **This bed complete** (the Cannas in 2nd size plants), from 3 in. pots, **$5.00, by express.**

CANNA BED No. 4

Round, 10 ft. across. 19 Florence Vaughan (for center and two rows); **18 Milwaukee** (outside row). This makes a good combination.

	Not prepaid	Prepaid
The 37 plants, first size	**$3.35**	**$3.75**
The 37 plants, large size, 4 in. pots, ready to bloom	**6.00**	**6.75**

Diagram showing how to plant will be sent with each shipment of Canna beds.

We recommend the following as most desirable for beds of solid colors. For round Canna beds 7 ft. in diameter, 19 plants; 10 ft. 37 plants; 13 ft. 61 plants.

Beaute Poitevine
Buttercup
David Harum
Egandale
King Humbert
Milwaukee
Souv. de A. Crozy
Betsy Ross
Comte de Sachs
Dwarf Florence Vaughan
Florence Vaughan
Mad. Crozy
Niagara
The Express

HARDY CHRYSANTHEMUM

HARDY POMPON CHRYSANTHEMUM

GERANIUM

Chrysanthemums

VAUGHAN'S NOVELTY SET FOR 1912

Price each 20c; set of 6 for $1.00, postpaid with Culture Pamphlet.

Chadwick Supreme. A sport of W. H. Chadwick. As a late pink Chrysanthemum it has no equal and we do not hesitate to recommend it as a late pink of unusual excellence.

Chrysolora. This new variety can be briefly described as an early Col. D. Appleton. Best buds are those selected August 1st to 15th.

December Gem. A ball-shaped Japanese white, with pink stripe on edge of petals, giving a pink or pearly tint to the blooms. Strong stem with ample foliage.

Mrs. David Syme. The finest white ever produced for any purpose. Absolutely perfect in flower, stem and foliage.

Pioneer. A beautiful soft pink with wide petals, toothed at the ends, giving the flower a very pleasing effect and apparently the pioneer of a new type.

Roman Gold. From September buds; a Japanese incurved and darker yellow than Golden Wedding or Golden age. Stem and foliage excellent; 4 ft.; in perfection November 1st.

EXHIBITION SET

Price 15c, any 3 for 40c. The "Exhibition Set" of 6 for 75c, postpaid.

Golden Chadwick. A large perfectly built incurved flower of a deep lemon color. The best all-round Chrysanthemum.

Timothy Eaton. Large incurved white Japanese.

W. T. Brock. A splendid late pink that will be in bloom for Thanksgiving.

Wm. H. Chadwick. Pure white occasionally tinted light pink. This is one of the finest Chrysanthemums that has been introduced.

Wm. Mease. Bright rosy red, one of the very largest in size.

Yellow Eaton. Yellow sport of Timothy Eaton. Large light yellow.

SINGLE CHRYSANTHEMUM

This class has become very popular and deservedly so, as they are most beautiful, either for cut flower or specimen plants.

Price each, 15c, any 3 for 40c, Set of 11 for $1.00, postpaid.

Buttercup. Deep yellow flowers in great number. Fine for pot plants.

Catherine Livingston. Lavender pink of a very pleasing shade. Belongs to the large flowering section, producing immense sprays.

Cosmos. Beautiful lavender pink. Large flowers. Very fine.

Dawn. Delicate pink changing to white, large flowers with three rows of petals.

Early Bird. Flowers orange yellow, large, very early, makes a good pot plant.

Lady Lu. Purest white, best for all purposes. Resembles a large Shasta Daisy.

Ladysmith. One of the prettiest of all the singles, rose pink with green eye.

Minnesota. A very striking blood red. 2½ in. across, long slender stem.

Pink Beauty. Flowers clear pink two rows of petals, fine for sprays.

Snowbird. Pure ivory white flowers of medium size with two rows of petals.

Sweetness. Clear yellow. In this we have a sweet scented Chrysanthemum.

ANEMONE FLOWERED

Garza. Broad ray petals; center white, tipped yellow. **Each 15c 3 for 40c.**

Garza Improved. Larger flowers than the above, rays pure white, broad and long, in a single row. Center very full and rounding which retains its perfect shape. **Each $1.00, 3 for $2.75, postpaid.**

CHRYSANTHEMUM SET FOR POT CULTURE

The following list is a selection from over 100 sorts, and embraces the best sorts for pot culture. All early flowering sorts and large handsome flowers.

Each 15c, any 3 for 40c, Set of 10 $1.00, postpaid.

Brutus. Beautiful shade of bronze.

Garza. This variety makes a fine bush plant.

Golden Age. A slightly reflexed, intense yellow; Japanese type.

May Foster. One of the most popular white varieties. Fine large, pure ivory.

Marion Newell. Color almost a true pink of extra size. Reflexed variety.

Mrs. F. Beu. Striped red and yellow of medium size. Strong grower.

Mrs. Wm. Duckham. Beautiful golden yellow of immense size.

Mutual Friend. Pure white, a large reflexed flower of great depth.

Old Gold. Orange yellow of immense size and good form.

W. Mease. Bright rosy red, one of the very largest in size.

HARDY OUTDOOR CHRYSANTHEMUMS

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can highly recommend them.

Be sure to secure this collection.

Price 15c, any 3 for 40c, set of 4 for 50c, postpaid.

Carrie. 4 in. flowers of a deep golden yellow, blooming from August to October.

Goacher. Crimson and gold, of fine size, blooming in August and September.

G. Grunerwald. A very fine variety of the Japanese section. The flowers average 5 in., color light pink.

Golden Glow. A very early Japanese incurved, producing fine blooms. 5½ in. in diameter. Color bright yellow. Fine foliage and stem. Very easy grower.

POMPON CHRYSANTHEMUMS

These small flowered or button Chrysanthemums are especially desirable for planting in the garden. They are perfectly hardy, requiring only a slight protection throughout the winter. The colors are varied, ranging through white, pink, yellow and many reds. In the dull days of November when practically every other flower in the garden has succumbed to the frost these little Chrysanthemums hold full sway with their wealth of blossoms. The following list embraces only varieties that have been thoroughly tested.

Aileen. Clear rose pink.

Baby Margaret. Small pure white.

Charlotte. Deep bronze.

Chiver. Large pink.

Diana. Pure white, extra fine.

Julia Lagravere. Deep red, best of its color.

Klondike. Brilliant yellow, compact bloom.

La Purity. A beautiful pure white.

Magnificus. Pure white, large size.

Minta. Light pink, the shade of Enchantress Carnation.

Panama. Deep red, medium size.

Prince of Wales. One of the best white.

Princeton. Brick-red flowers of splendid form, sturdy grower.

Quinola. Clear orange yellow.

Triumph. Golden yellow.

Uneda. Pure yellow.

Zoda. Soft delicate pink.

Price each, 15c, any 3 for 40c, Set of 17 for $1.75.

Geraniums

THE BEST STANDARD BEDDING SORTS.

Beaute Poitevine. A favorite semi-double bedder because of its beautiful shrimp pink color. The best in this shade.

Columbia. A remarkably free blooming scarlet of fine substance and form.

Decorator. A grand semi-double light red, a strong grower and a free bloomer.

2¼ in. pots, each 25c, doz. $2.50; 4 in. pots, each 35c.

Jean Viaud. A beautiful semi-double rose pink with white eye. Large trusses.

John Doyle. A fine rich scarlet perfectly double and a profuse bloomer.

La Favorite. The best double white bedding Geranium. Large pure white.

Mrs. Francis Perkins. A charming shade of light pink with a white throat.

S. A. Nutt. The very best of the dark crimson-scarlet bedders. Perfectly double and a remarkably free bloomer.

PRICE. One plant of each of the 8 varieties $1.00, postpaid. Except where noted, **2¼ in. pot plants, each 15c, doz. $1.00; per 100, $7.00, by express. 4 in. pot plants, each 20c, doz. $1.75, per 100 $12.00, by express only.**

IVY LEAVED GERANIUMS

Beauty of Jersey. A very free flowering double pink.

Joan of Arc. The only double white Ivy Geranium.

Souv. de Chas. Turner. Light scarlet double.

PRICE. Any of the above, each 15c, doz. $1.25, postpaid.

VARIEGATED LEAVED GERANIUM

Mme. Salleroi. The best geranium for a border, never growing over twelve in. in height and always so compact and beautiful. Foliage variegated green and white. **Each 15c, doz. $1.25, postpaid.**

PANSY GERANIUM (Mrs. Laval)

The true Pansy Geranium so named on account of its combination of colors. It is a grand variety, very suitable as a house plant, being of such easy growth and requiring so little attention. **Each 25c, 3 for 50c, doz. $2.25, postpaid.**

VAUGHAN'S DAHLIAS

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The greater part of the list we can supply in dormant roots and small plants, but some of the rarer sorts we can furnish in green plants only. Contrary to popular opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsiblity of recommending them. While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Dry roots may be had any time, as long as the stock lasts; plants from 2½ in. pots can be supplied during May. All except the special offers of large field clumps of unnamed and mixed Dahlias, are sent prepaid to any post or express office in the U. S.

Full cultural directions accompany every order.

Please state if you want a substitute in case our supply of any variety is exhausted.

CACTUS DAHLIAS

NOVELTIES

See also list of varieties we offer in dry roots page 98.
Price, green plants only, each 50c, 3 for $1.35.

Gunther. Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper.

Nerthus. Flowers large of splendid form on strong stiff stems, held well above the foliage. The center of the flower is a rich, glowing, orange yellow passing to a carmine rose at the tips, the whole suffused with a glowing golden color.

Parsifal. One of the earliest and freest flowering of the white cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage.

Rheinkonig. In this variety we have one of the best white cactus varieties. The flowers are pure white, large, of great substance, lasting well when cut.

Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center shades to a pleasing rose at the tips.

Wodan. A very robust, strong growing variety with large flowers of a most pleasing delicate salmon rose shading to old gold in the center.

Special Offer A. One plant of each of the 6 varieties, **$2.50, prepaid.**

CHOICE AND RARE SORTS

Price, except where noted, green plants, **each 25c, 3 for 65c, doz. $2.50.**

Ambassador. Pure white. The flowers are large and beautiful in form, with long pointed petals, which are borne on long, erect stems. In this respect it is the best white Cactus Dahlia.

Aurora. An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring. **Each 35c.**

Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

Dainty. The ground color is lemon yellow, which shades lighter as the season advances, at which time the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petal are golden and the flowers are produced on long, stout stems.

Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest in our collection.

Mrs. Geo. Stevenson. Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming.

Pearlhilde. Center nearly white changing to a soft blush pink. A sport of the well known Kriemhilde and one of the best for cut-flowers.

Spotless Queen. Purest white. An excellent variety for cut-flower purposes.

Stern. A pure lemon yellow with beautiful flat petalled star-shaped flowers. A good grower and an exceptionally free bloomer. **Each 35c.**

The Pilot. A beautiful combination of colors. The extremities of the florets are bright terra-cotta, passing to deep yellow at the base. The blooms are borne erectly upon stout stalks, well above the foliage.

Special Offer B. One plant of each of the 10 varieties, **$2.00 prepaid.**

PARSIFAL

CACTUS DAHLIAS

The Cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types.

STANDARD SORTS

Price, green Plants, each 15c, any 3 for 40c, doz. $1.50.

Aegir. Rich cardinal red flowers, large and full.

Brunhilde. Bright plum color, of perfect habit and form.

Effective. Chamois rose with yellow shadings, deeper in the center. A large, perfectly formed, intensely double globular flower with finely pointed petals, and borne freely on long, strong stems. Very distinct. A charming variety for cutting.

Estrella. Snow white with a trace of lemon yellow in the heart. A most abundant bloomer.

Fairy. Pure white. Very narrow florets, beautiful in form and one of the most refined in this color.

Flora. An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety.

Frau Hermine Marx. A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer.

Holsatia. Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

Lawine. A pure white of good form, very free and early flowering.

Pink Pearl. Mellow pink at the base of the petals, shading off graudally to white at the tips, the effect being a soft, rosy pink. Fine for cutting.

Rother. A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit.

Strahlenkrone. Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

Swan. Pure white. A very large and free blooming variety.

Torpille. A deep cherry wine color with the reverse side of petals striped with faint lines of white.

Uncle Tom. A deep velvety maroon, almost black.

Volker. Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being literally covered the entire season.

Winsome. Undoubtedly the finest white Cactus to date. Flowers are very large and beautiful, with twisted, incurved petals and are borne on long, erect stems, holding the flower up in marked contrast to other white Cactus Dahlias.

Special Offer C. One plant of each of the 17 varieties, **$2.00 prepaid.**

DELICE, DECORATIVE DAHLIA

DECORATIVE DAHLIAS

See also list of varieties we offer in dry roots, page 98.

Decorative Dahlias are known by their large flowers and flat petals being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers since they are those having the greatest substance and are the best shippers. Those we include are the result of careful selection.

Price, except where noted, green plants, each 35c, 3 for $1.00, doz. $3.50.

NOVELTIES

Delice. The finest pink decorative dahlia. Its beautiful soft, yet lively color, a glowing rose pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties.

Governor Wilson. Flowers bright red of splendid form, good stem; flowers held well above the foliage, very free flowering and most desirable for cut-flowers.

Majestic, New. 4 to 5 ft.; decorative; light scarlet, salvia color; whole plant, covered with bloom; the great flowering dahlia. **Each 50c, doz. $10.00.**

Miss Minnie McCulloch This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower variety.

Perle de Lyon. This is the best white decorative dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition.

Special Offer D. One plant of each of the 5 varieties, **$1.50, prepaid.**

CHOICE AND RARE KINDS

Price, green plants, each 25c, 3 for 65c, doz. $2.50.

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. across. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest decorative Dahlias.

Henry Patrick. A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter.

Jack Rose. A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across.

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine.

Kaiserin Augusta Victoria. Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage. The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind.

La France. A deep rose, heavily marked white, in form more like a full-blown Peony. The flowers appear on stiff, long stems and are excellent for cutting.

Mrs Chas. Turner. Pure yellow. A strong grower and profuse bloomer of immense size.

Mrs. P. Wyndham. Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat.

Souv. de Gustave Doazon. A pleasing shade of orange red. The flower measures 6 in. in diameter, and has large, wide, thick petals of great substance. Very free bloomer. Strong and robust, growing 5 ft. high.

CHOICE AND RARE KINDS—Continued

Virginia Maule. A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely.

Special Offer E. One plant of each of the 10 varieties, **$2.00, prepaid.**

STANDARD KINDS

Price, green plants, each 15c, 3 for 40c, doz. $1.50.

Berwyn. Rich velvet crimson, wide flat petals. Very large.

Bonnard's Yellow. Deep yellow. Extra large flowering.

Clifford W. Bruton. Bright golden yellow. Very large and early flowering.

Crimson Giant. Deep crimson flowers of immense size.

Katherine Duer. The most beautiful glowing scarlet without markings. The flowers are of immense size, 7 in. across, opening out flat and showing no center, with wide and rounding petals. The plant is a strong grower.

Lyndhurst. A rich and brilliant cardinal red. Fine for cut flowers.

Mad. Van den Dael. A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting.

Maid of Kent. Intense scarlet variegated with pure white, frequently a solid scarlet.

Mariposa. A unique purplish salmon. A late variety, but very free blooming.

Pres. F. Faure. A deep purplish crimson with broad thick petals.

Sylvia. White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center making it a great shipper. The plant is a strong and healthy grower.

Wm. Agnew. The richest shade of intense, dazzling red. Flowers are large, measuirng more than 5 in. in diameter.

Yellow Colosse. A clear yellow exhibition variety. The flowers are very perfect and on long stems.

Special Dahlia Offer F. One plant of each of the above 13 varieties, **$1.50, prepaid.**

SHOW AND FANCY DAHLIAS

See also list of varieties we offer in dry roots, page 98.

Price, except where noted, **green plants, each 15c, 3 for 40c, doz. $1.50.**

Show Dahlias are those of solid color except that in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. Livoni. A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

Black Diamond. A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with a dark, glossy foliage.

Bon Ton. A deep rich garnet red. A fine ball-shaped flower.

Crimson Beauty. A fine rich crimson. Flowers large and beautiful.

Cuban Giant. Bright maroon. Immense in size, free flowering and very early.

Ethel Schmidt. Pure white, flushed delicate pink, dotted and streaked crimson. A cross of Storm King and Lottie Eckford that will soon be the standard of this type, on account of its early and profuse blooming, together with its long, graceful stems.

Frank Goodman. Rich purple, tipped white, distinct.

Glorie de Lyon. Pure white. The largest white Dahlia in cultivation, round as a ball. **Each 25c.**

Grand Duke Alexis. Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flowers are mammoth in size, beautifully quilled and double. Very free and early. **Each 25c.**

H. Sherber. Large salmon flowers. A dwarf grower.

John Walker. Pure white. Flowers are full and beautiful.

Kaiser Wilhelm. Deep yellow lightly tipped cherry red. Quilled petals on flowers of large size and fine form.

Miss May Lomas. A delicate white suffused and tipped light lavender. Flowers are of good size borne on erect, stout stems. A very free bloomer and a fine cut flower variety. **Each 25c.**

Mrs. Dexter. Reddish apricot, very large and full flowers.

Princess Bonnie. Creamy white. Flowers are medium in size, full to the center and fine in form.

Queen of Yellows. A beautiful clear yellow.

Red Head. Deep red, large flowers, of dwarf, free blooming habit.

Storm King. Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers.

Yellow Duke. Pure canary yellow, large size, flowers on good stiff stems. **Each35c.**

Special Dahlia Offer H. One plant each of the above 19 varieties for **$2.75, prepaid.**

NEW PEONY-FLOWERED DAHLIAS

Price, except where noted, **green plants, each 25c, 3 for 65c, doz. $2.50, prepaid.**

See also list of varieties we offer in dry roots, page 98.

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd. The varieties offered are the best we have been able to secure.

Germania. Brilliant carmine, four rows of petals, compact growth.

Glory of Groenekan. Orange yellow, extra large flower.

La Riante. Deep pink flowers on long, strong stems. An excellent variety **Each 35c.**

Paul Kruger. White and red flowers on very long stems.

Queen Emma. A charming shade of Hollyhock pink, the inner petals margined with gold. A very large and magnificent sort.

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

Special Dahlia Offer G. One plant of each of the above 6 varieties, **$1.25, prepaid.**

SHOW DAHLIA

PEONY-FLOWERED DAHLIA

SINGLE DAHLIA

POMPON DAHLIAS

Price each 15c, 3 for 40c, doz. $1.50, green plants only.

Under this head comes those small Boquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Anna Londorff Yellow streaked and blotched carmine.
Crown Point Bright scarlet. A free bloomer, very dwarf and compact plant.
Elegante Bright pink flowers of perfect form with beautiful quilled petals.
La Petite Barbara The best white Pompon. Free flowering.
Little Herman Deep red, tipped white.
Special Dahlia Offer (L.) One plant of each of the above 5 for **60c, prepaid.**

SINGLE DAHLIAS

Price, except noted, **each 15c, 3 for 40c, doz. $1.50.**
Green plants only

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Black Bird Intense velvety maroon, almost black, red spots at base. Large.
Gold Standard Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.
Merry Widow (Lustige Wittwe.) Deep scarlet flowers of gigantic size on stems 15 in. long and measuring 4 to 5 in. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers. **Each 35c.**
Praxiteles Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant. **Each 20c.**
Pres. Viger. Rich claret, shading lighter at the edges with pure white collar, occasionally rose tinted. Striking and distinct.
Rebecca Mayhew. Large snow-white, exquisite in form, early and an extremely profuse bloomer, being the world's best large white for commercial cut-flowers, or specimen plants.
Wildfire. The most brilliant fiery scarlet on our list. Flowers very large.
Special Dahlia Offer (M.) One plant each of above 7 varieties, **$1.00, prepaid.**

"NEW CENTURY" SINGLE DAHLIAS

See also list of varieties we offer in dry roots below.

Price, Green Plants, each 20c, 3 for 50c.

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Maroon Century. A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

Pink Century. Delicate soft pink similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

Twentieth Century. Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast exquisite. Flowers very large, 5 to 6 in. in diameter.

White Century. A beautiful snow-white of immense size, 6 to 7 in. in diameter, making a fine show.

Special Dahlia Offer (P.) One plant of each of the above 5 varieties for **75c, prepaid**

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red, good sorts, **each 25c, 3 for 65c, doz $2.50, by express at buyer's expense.**
Mixed Double Dahlias. Undivided field clumps, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**
Mixed Single and Double Dahlias. Undivided field roots, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**

DAHLIA ROOTS

Dahlia Roots. The varieties offered below we can supply in dry divided field roots as long as the stock lasts. See list of varieties we can supply in green plants ready May 1st on pages 96, 97, 98.
Price, except noted, each 25c, 3 for 65, doz. $2.50, prepaid.

CACTUS DAHLIAS

Brunhilde. Bright plum color.
Burbank. Deep clear dark red.
Countess of Lonsdale. A delicate apricot. **Each 35c.**
Dainty. Lemon yellow. **Each 35c.**
Effective. Chamois rose with yellow shadings.
Flora. An ideal white.
Goliath. Reddish salmon.
Innovation. The finest bi-color Cactus.
Kriemhilde. A shell pink.
Lawine. A pure white of good form.
Master Carl. Bright amber. **Each 35c.**
Mrs. Geo. Stevenson. Bright yellow. **Each 35c.**
Othello. Dark blood red. **Each 35c.**
Pearlhilde. Soft blush pink. **Each 35c.**
Pink Pearl. Mellow pink.
Rev. D. R. Williamson. Deep velvety crimson.
Rother. Dark velvety crimson.
Spotless Queen. Purest white. **Each 35c.**
Swan. Pure white.
The Pilot. Terra cotta and yellow. **Each 35c.**
Uncle Tom. A deep velvety maroon.
Volker. Clearest canary yellow.
Winsome. The finest white.

DECORATIVE DAHLIAS

Bonnard's Yellow. Deep yellow.
Clifford W. Bruton. Bright golden yellow.
Crimson Giant. Deep crimson.
David Harum. Orange scarlet. **Each 35c.**
Delice. Grand pink. **Each 35c.**
Eureka. A deep rose.
Henry Patrick. A pure white. **Each 35c.**
Governor Wilson. Rich red. **Each 35c.**
Jack Rose. A rich velvety crimson. **Each 35c.**
Jeanne Charmet. Bright pink. **Each 35c.**
Kaiserin Augusta Victoria. Pure white. **Each 35c.**
Katherine Duer. Glowing scarlet.
La France. A deep rose. **Each 35c.**
Lyndhurst. A rich cardinal red.
Mad. Van den Dael. A soft rose.
Maid of Kent. Intense scarlet variegated.
Mariposa. A unique purplish salmon.
Miss Minnie McCullough. Bronze yellow. **Each3 5c.**
Mrs. Chas. Turner. Pure yellow. **Each 35c.**
Mrs. P. Wyndham. Apricot shaded to salmon. **Each 35c.**
Pres. F. Faure. A deep purplish crimson.
Souv. de Gustave Doazon. Orange red. **Each 35c.**
Sylvia. White shading to soft pink.
Virginia Maule. Shell pink. **Each 35c.**
Wm. Agnew. Intense, dazzling red.
Yellow Colosse. A clear yellow.

SHOW AND FANCY DAHLIAS

A. D. Livoni. A beautiful soft pink.
Black Diamond. Velvety maroon.
Bon Ton. A deep rich garnet red.
Cuban Giant. Bright maroon.
Floral Park Jewel. Deep maroon.
Grand Duke Alexis. Pure white. **Each 35c**
John Walker. Pure white.
Kaiser Wilhelm. Deep yellow, tipped cherry red.
Lilac Queen. Pinkish lilac.
Miss May Lomas. A delicate white. **Each 35c.**
Mrs Dexter. Reddish apricot.
Princess Bonnie. Creamy white.
Princess Victoria. Pure canary yellow.
Queen Victoria. Handsome deep yellow.
Red Head. Deep red, large flowers.
Storm King. Excellent white. **Each 35c.**

NEW PEONY-FLOWERED DAHLIAS

Germania. Brilliant carmine. **Each 35c.**
Geisha. Orange red. **Each 35c.**
Queen Wilhelmina. Pure white. **Each 35c.**

"NEW CENTURY" SINGLE DAHLIAS

Cardinal. Intense cardinal red.
Gladys. It has a broad band of brilliant rosy crimson.
Fringed Twentieth Century. Rosy crimson.
Maroon Century. Maroon.
Pink Century. Delicate soft pink **Each 35c.**
Scarlet Century. Brightest scarlet. **Each 35c.**
Twentieth Century. Intense rosy crimson. **Each 35c.**
White Century. A beautiful snow-white. **Each 35c.**

ROSES FOR THE GARDEN

ENTENTE CORDIALE

JONKHEER J. L. MOCK

CYNTHIA FORDE

We grow young rose plants only. We do not grow cut flowers. The best healthy wood is used for propagation and is not exhausted in bearing flowers. Our heavy soil is exactly adapted to rose growing. Rose plants as we grow and pack them, go safely to long distances, even to all Pacific Coast towns and cities.

The prices quoted on this page for 2½ in. pot plants and under include postage. Larger sizes, out of 3, 3½ and 4 in. pots and dormant plants, should be sent by express. If wanted by mail, add 5 cts each for postage.

With special fast mail service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.** We guarantee safe arrival.

We draw your special attention to the splendid condition of our stock.

ROSE NOVELTIES FOR 1912

These varieties are all Hardy Hybrid Teas, just what you ought to have for bedding out.

Avoca. A very desirable velvety crimson rose with large smooth petals. Its freeness of blooming, vigorous habit and long pointed buds won it a gold medal from the British National Rose Society. 2-year field grown plants, potted, **each 50c, 3 for $1.35.**

Cynthia Forde. A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite, it is so free blooming and has such fine long stems. Full and perfect in form. 2½ in. pots, **each 35c, 3 for $1.00;** 3½ in. pots, **each 50c, 3 for $1.35.**

Dark Pink Killarney. A handsome new rose of a color deeper than the popular Killarney, but possessing all of its fine qualities as to sturdiness of growth, freedom of bloom and shape of bud and bloom. 2½ in. pots, **each 35c, 3 for $1.00;** 3½ in. pots, **each 50c, 3 for $1.35.**

Double White Killarney. A brand new rose—the best white out. Has all the excellent features of White Killarney but with additional petals which makes it fuller and a better cut flower. 2½ in. pots, **each 75c, 3 for $2.00.**

Entente Cordiale. (Pernet-Ducher.) A charming rose of large size with long pointed buds produced on long stiff stems. The flowers are a rich creamy white shaded to a sulphur in the center. A cross between Mme. Abel Chatenay and Kaiserin Augusta Victoria which has all of their free flowering habit and vigor. Grand for cutting and bedding. 2½ in. pots, **each 35c, 3 for $1.00;** 3½ in. pots, **each 50c, 3 for $1.35.**

Jonkheer J. L. Mock. This magnificent new rose comes to us with the record of having won eight prizes in Europe. It is a splendid robust and free grower sending up strong stems which bear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounding form. Rosarians have pronounced this variety as one sure to be a World-Rose in a class with Kaiserine Aug. Victoria and Frau Karl Druschki. 2-year field grown plants, potted, **each 75c, 3 for $2.00;** 2½ in. pots, **each 35c, 3 for $1.00.**

Killarney Queen. A very fine Cerise pink sport of Killarney with a perfect growth of foliage, stem and bloom. A grand sort which everyone should have. 2½ in. pots, **each 75c, 3 for $2.00.**

Lady Hillingdon. An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable. 2½ in. pots, **each 50c, 3 for $1.35.**

Margaret Guillot. This new rose is a perfect White "Caroline Testout" possessing all the same good qualities of this most popular rose and differing only in color. The parent has become widely planted and a general favorite, and this variety is sure to be as popular as soon as its good points are known. 2-year field grown plants, potted, **each 50c; 3 for $1.35.**

Molly Sharman Crawford. This promises to be one of the best pure white bedding roses. It is a rapid grower and branches very freely, having medium sized foliage, dark and heavy, with good stiff wiry stems and blooms of the largest size, fullness and build. 2½ in. pots, **each 50c, 3 for $1.35;** 3½ in. pots, **each 75c, 3 for $2.00.**

Prince de Bulgarie. (Antoine Rivoire.) A beautiful shell pink rose of merit. Has excellent stems, foliage and blooms—all that is desired for cut-flowers. 2½ in. pots, **each 25c, 3 for 65c;** 3½ in. pots, **each 35c, 3 for $1.00.**

Radiance. This rose of American origin gives great promise as it is a very free grower and produces excellent stems. The flowers are of good size and substance and of a beautiful cerise color. 2½ in. pots, **each 25c, 3 for 65c;** 3½ in. pots, **each 35c, 3 for $1.00.**

Sunburst. A big rose sure to be in a class with American Beauty and Killarney. Its color is a rich coppery yellow and blooms freely on long strong stems. Very choice for cut-flowers. 2½ in. pots, **each 75c, 3 for $2.00.**

"NOVELTY" COLLECTIONS FOR 1912

Special Offer 992A. One 2-year field grown plant, potted, of each Avoca, Jonkheer J. L. Mock and Margaret Guillot, for **$1.50, by express prepaid. Regular price, $1.75.**

Special Offer 992B. One plant from 2½ in. pot, of each, Cynthia Forde, Dark Pink Killarney, Double White Killarney, Entente Cordiale, Jonkheer J. L. Mock, Killarney Queen, Lady Hillingdon, Molly Sharman Crawford, Prince de Bulgarie, Radiance and Sunburst. **11 plants for $4.25, prepaid. Regu- price $5.15.**

Special Offer 992C. The two collections as above for $5.00 by express prepaid.

HOW TO BE SUCCESSFUL WITH ROSES—A pamphlet how to grow roses will be sent out with all orders for roses.

KAISERIN AUGUSTA VICTORIA

WHITE KILLARNEY

MRS. AARON WARD

HARDY EVERBLOOMING GARDEN (HYBRID TEA) ROSES

This class has resulted from crossing the Hardy Perpetuals with the Tea Scented varieties and possesses the hardiness of the first with the free blooming habit and fragrance of the latter. All have long pointed buds borne on strong stems which makes them so valuable for cut flowers and in such great demand for table decoration. Being so hardy, such free bloomers during the entire summer and embracing such a wide range of color they will undoubtedly grow greatly in favor and be much more widely planted, than at present, both in small gardens and where large beds are desired.

We especially recommend these roses for flowering during the summer and fall months and have selected these as being best in their color and with the most desirable qualities.

This list of Roses we can furnish in strong 2-year field grown plants which have been potted and kept in a cool house during the winter thus having lost none of their original vitality, and we feel sure will give better satisfaction than the dry stored stock. The results obtained will more than compensate for the slight additional cost.

Price, 2-year field grown plants, potted, **each 50c, 3 for $1.35, doz. $5.00.**

Captain Christy. A beautiful flesh pink rose, large and free blooming, deepening to a rosy crimson at the center. Unusually good.

Caroline Testout. A grand rose which should be more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and very fragrant. Excellent for cutting.

Duchess of Albany. A beautiful rose of the La France type but deeper in color. A constant bloomer, very double and full.

Gruss an Teplitz. Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

J. B. Clark. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

Kaiserin Augusta Victoria. One of the best white roses, either for bedding or for cut-flowers. A tinge of lemon in the center adds to its beauty. Known the world over and is worthy of being planted in every graden.

Killarney. A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance. A rose of great beauty and excellence.

La France. Bright satin pink rose, silvery reflex, blooming early and late; one of the best roses grown.

Lady Ashtown. Very pale rose, shading to yellow at base of petals; flowers large, full and pointed; habit, branching and vigorous; a splendid rose for garden or greenhouse.

Mme. Abel Chatenay. This splendid rose is one of the best of its color; rosy carmine, with darker shade. It has wonderfully beautiful flowers, which are full, deep and double; very hardy, a strong grower and free bloomer.

Mrs. Aaron Ward. (New.) This beautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, whilst the edges of the petals which recurve in a most graceful way are creamy white; the combination is very striking and beautiful. When fully open it is an exquisite shade of pinkish fawn. It is a strong grower with healthy, dark, glossy green foliage. Very free flowering. We take great pleasure in recommending this beautiful rose to all our customers, both, because it is the very best of its color and because it is such an excellent bedder.

Othello. (Syn Chateau de Clos Vougeot.) Its fiery red is so rich that it appears like velvet and holds it color from the bud until full blown, the nearest to a black rose in existence. The color is enhanced and made more striking by its handsome dark glossy green foliage. In habit it is robust, producing finely shaped blooms. It is one of the very best roses of recent years and deserves wide dissemination.

The Lyon. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and abundant bloomer; flowers large, fairly full, with fine smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring amongst roses which has yet been attained. Very fragrant and hardy.

White Killarney. A pure white sport from Killarney, with which it is identical. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed; erect stems and a great acquisition.

These varieties we can supply in small plants for growing on or in a larger size suitable for bedding.

Prices, except where noted, 2½ in. **each 15c, 3 for 40c, doz. $1.50, prepaid.** Larger plants, in 3½ or 4 in. pots, **each 30c, 3 for 80c, doz. $3.00, prepaid.**

Cardinal. A delightfully fragrant red rose of a strong robust habit, making it a desirable bedder.

Double Pink Killarney. One of the best Roses that has ever been offered. Many features being improvements over Killarney itself. The bud is longer and on the average, has several more petals. In color it is similar to Killarney as a bud, but when opened reveals a depth of color both distinct and very pleasing. 2½ in. pot plants, **each 35c, 3 for $1.00;** 3½ in. pot plants, **each 50c, 3 for $1.35, doz. $5.00.**

Double White Killarney. (New.) The best white rose possessing all the good features of its parent as well as a stronger growth and many more petals. Sure to be popular from the start. It should be in every collection. 2½ in. pot plants, **each 75c.**

Gruss an Teplitz. Brilliant red.

Kaiserin Augusta Victoria. One of the best whites.

Killarney. Bright pink.

La France. Satin pink.

Leuchtfeur. (The Dwarf Gruss an Teplitz.) This beautiful new bedding rose is a dwarf Gruss an Teplitz, possessing all the brilliant qualities of its parent, flowers which are more double and sweeter. It makes a beautifully compact bush and is covered from early June to frost with brilliant dark red flowers.

Mme. Abel Chatenay. Rosy carmine.

Mme. Jules Grolez. (Red Kaiserin.) Similar to the white Kaiserin in foliage, habit, shape and size of bloom, but the color of the flowers is a beautiful cherry-red. If you want roses to cut all summer be sure to include Red Kaiserin in your collection.

Mme. Segond Weber. This novelty is one of the most desirable of recent introductions. The color, a pure flesh salmon rose, is entirely new among hybrid Teas. The flowers are very large, composed of large, firm petals, cup-shaped, of regular form. The buds are pointed, oblong, and are borne upright on long, rigid stems. It is an ever-bloomer, making it most desirable for forcing and bedding.

Mrs. Aaron Ward. We cannot recommend this variety too highly for bedding and cutting. The best orange yellow. 2½ in. pot plants, **each 35c, 3 for $1.00, doz. $3.50;** 3½ in. pot plants, **each 50c, 3 for $1.35.**

My Maryland. A very choice summer rose of a bright slamon pink with pale edges. It is very free to bloom and is remarkably fragrant.

Othello. The "black velvet" rose.

Richmond. Scarlet-crimson, pointed buds and tall, erect stems; handsome dark foliage, one of the most successful roses for the garden.

Souvenir du President Carnot. Blush white, shaded deeper at center; pointed buds, which develop into large, double flowers on stiff stems; vigorous growth; a fine variety for all purposes.

White Killarney. Pure white.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, great and small.

For **Glencoe** and **Lake Forest Collections** of the above roses see page **104.**

REGARDING THE MAILING OF ROSES—Our prices on the small sizes, out of 2 or 2½ in. pots include postage. Larger sizes, out of 3, 3½ and 4 in. pots and dormant plants are sent by express at buyer's expense. If wanted by mail, add 5c each for cost of postage and packing.

AMERICAN BEAUTY

JOHN HOPPER

Hardy Hybrid Perpetual Roses

Among all the hardy plants few are so commonly well liked or more valuable than the roses, particularly the "June Roses" as the Hybrid Perpetuals are called. They are strong growers, bearing large globular flowers and are so hardy that they succeed in any locality. The severest winters will not kill them but it is generally conceded that protection is beneficial when the straw, manure, cornstalks or other covering is not so thick as to be unnatural and smother them.

All Roses thrive best when well watered, sprayed with Hellebore and Bordeaux Mixture for insects and fungus, and fed either by applications of manure water, or Bonemeal at the rate of two pounds per square yard. The Hybrid Perpetuals are particularly susceptible to such treatment and respond readily.

Plant fifteen to eighteen inches apart and if in beds border with Baby Ramblers for an excellent effect.

The roses offered here are budded low on Manetti or Dogrose stocks and are generally known as grafted roses. Plant so that the graft is three inches below the surface of the soil. Early Spring planting is essential and no stock can be supplied after May 1st.

ALFRED COLOMB. Extra large cherry red flowers, very free blooming.

AMERICAN BEAUTY. This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson.

After May 1st we can supply strong 2½ in. pot plants, **each 15c, 3 for 40c, postpaid;** 3½ in. pot plants, **each 25c, 3 for 65c, by express.**

ANNA DE DIESBACH. Very showy and large, pointed buds, a beautiful shade of carmine. A strong grower.

BARON DE BONSTETTIN. Rich, dark red passing to deep velvety maroon, double and full.

BARONESS ROTHSCHILD. Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

CLIO. Flesh color shaded to center with rosy pink, a vigorous grower with fine foliage and abundance of bloom.

FISHER HOLMES. A valuable deep crimson rose of "Jack" type but a free bloomer and more fragrant.

FRAU KARL DRUSCHKI. (White American Beauty.) This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GEN. WASHINGTON. Brilliant crimson scarlet; constant bloomer, dwarf grower and perfectly double.

GLORIE LYONNAISE. A beautiful light creamy yellow of medium size and a fine shape, desirable for bouquets.

HUGH DICKSON. Brilliant crimson shaded scarlet, large smooth petals, slightly reflexed on the edges. Very fragrant and vigorous. One of the most desirable sorts.

JOHN HOPPER. A grand rose of a brilliant crimson, bearing large solid flowers which are remarkable for their fragrance and freedom of bloom.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MME. GABRIEL LUIZET. This is a handsome satin pink rose of great vigor. Fine for early flowers, large and full.

MME. PLANTIER. Pure white, large and double, a free and continuous bloomer, fine for cemetery planting.

MAGNA CHARTA. Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and most commonly planted.

MARSHALL P. WILDER. A grand rose of large full flowers of a bright carmine red.

MRS. JOHN LAING. Large popular rose, bright shinging pink in color with long stiff stems. A very free bloomer.

MRS. R. G. SHARMAN CRAWFORD. Light flesh pink, perfect flowers, somewhat imbricated on clean, erect stems.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose.) Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

ULRICH BRUNNER. Cherry crimson, large fine form, a good garden and exhibition rose, very strong grower and hardy.

PRICE. Extra strong, dormant, 2-year-old field-grown plants supplied up to May 1, by express, each 30c, 3 for 85c, doz. $3.00, per 100 $22.00.

Surprise Collection Hardy Roses	Our Selection of sorts, strong 2-year dormant field grown plants. Doz. $2.50; per 100, $18.00. By exp. only.

ROSE COLLECTIONS

We give the names and colors of the varieties in our collection, but should the stock, as the season advances, become exhausted, we reserve the right to send another of similar character and equally desirable in place of it without further notice. If customers do not wish this, please state so when ordering.

Vaughan's Unrivaled Collection of 12 Best Hardy Garden Roses

For description see general list of Hybrid Perpetual Roses.

Anna de Diesbach. Bright rose.
Baron de Bonstettin. Dark red.
Baroness Rothschild. Pink.
Frau Karl Druschki. White.
Gen. Jacqueminot. Crimson.
John Hopper. Rosy crimson.
Magna Charta.
Mrs. Jno. Laing. Bright Pink.
Mrs. R. G. S. Crawford. Flesh.
Paul Neyron. Rose.
Prince C. de Rohan. Velvety crimson.
Ulrich Brunner. Cherry crimson.

PRICE. 1 each of 12 above named kinds $3.00 or 3 each of 12 named kinds, $8.00.

Regarding the Mailing of Roses

Our prices on the small sizes, out of 2 or 2½ in. pots include postage. Larger sizes, out of 3, 3½ and 4 in. pots and dormant plants should be sent by express. If wanted by mail, add 5c each for cost of postage and packing. We do not recommend the mailing of roses.

NOTE.—Pot grown roses should not be planted out of doors until all danger of frost is past.

JESSIE, THE NEW BABY RAMBLER

New Baby Rambler Roses

We were the first to offer the Crimson Baby Rambler Rose in America. This Rose has come to stay and is a favorite everywhere on account of its hardiness, free blooming habits and adaptability as a pot rose and for bedding purposes.

Price. The 2½ in. pot plants, singly, in three and in dozens, can be sent prepaid by mail; other sizes are too large to mail and must be sent by express at buyer's expense.

Erna Teschendorff. (**New 1911**) The best new Polyantha rose to date. The color of the flowers is the brightest red of any of the dwarf Polyantha Roses, being superior to the Crimson Baby Rambler (Mad. Norbert Levavasseur) Jessie and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. Dormant plants, **each $2.00;** 2½ in. pot plants, **each 50c, 3 for $1.35.**

Jessie. (New 1910.) This is a charming novelty, is constantly in bloom, commencing with the first June roses and continuing until frost kills them off in November and December. The height outside does not exceed 2½ ft. It has a freely branching habit, the foliage is bright, glossy green and wonderfully free from mildew. The flowers borne are in huge clusters and are of a bright cherry-crimson color, which does not fade or develop the objectionable purple or magenta tints. 2-year dormant plants, **each 50c, 3 for $1.35, doz. $5.00;** 3-year dormant plants, **each 75c, 3 for $2.10, doz. $8.00;** 2½ in. pot plants, **each 30c, 3 for 80c, doz. $3.00;** 3½ in. pot plants, **each 50c, 3 for $1.35, doz. $5.00.**

Mrs. Taft. A cross between Baby Rambler and Crimson Rambler, similar in in foliage and flower to the latter, in bloom all summer; splendid for massing in beds or for cutting. It is a great improvement of the popular Baby Rambler. 2½ in. pot plants, **each 15c, 3 for 40c, doz $1.50;** 3½ in. pot plants, **each 30c, 3 for 80c, doz. $3.00.**

Orleans. (New.) Color bright red and pink, center slightly shaded white. It has the same free flowering, dwarf, compact, robust habit as Mrs. Cutbush. Foliage bright green. This is a rose of great merit and will undoubtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant plants, **each 50c, 3 for $1.35, doz. $5.00;** 2½ in. pot plants, **each 25c, 3 for 65c, doz. $2.50;** 3½ in. pot plants, **each 35c, 3 for $1.00, doz. $3.50.**

Phyllis. (New 1910.) This beautiful Pink Baby Rambler is considered by many to be the most popular of this section. This variety grows to a height of 2 ft. and is a beautiful carmine pink color. Flowers are produced in continuous succession of large clusters. It is in every way a most desirable variety. 2-year dormant plants, **each 50c, 3 for $1.35, doz. $5.00;** 3-year dormant plants, **each 75c, 3 for $2.10, doz. $8.00;** 2½ in. pot plants, **each 15c, 3 for 40c, doz. $1.50;** 3½ in. pot plants, **each 30c, 3 for 80c, doz. $3.00.**

VAUGHAN'S BABY ROSE COLLECTION No. 1

One each of the eight Baby Ramblers, 2½ in. pot plants for **$1.50 prepaid.** Regular price $2.10.

VAUGHAN'S BABY RAMBLER COLLECTION No. 2

One each of the eight Baby Ramblers 3½ in. pot plants for **$2.50 prepaid by express.** Regular price $2.90.

CRIMSON BABY RAMBLER

The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

	Each	3 for	Doz.	100
2-year dormant field grown, extra strong	$0.35	$1.00	$3.50	$25.00
3-year dormant	.40	1.10	4.00	
2½ in. pot plants	.15	.40	1.50	10.00
4 in. pot plants	.35	1.00	3.50	22.00

BABY DOROTHY, The New Pink Baby Rambler

(Maman Levavasseur)

Compared to the well-known Crimson Baby Rambler Rose, this lovely new rose is just as vigorous and free blooming, with the difference that the flowers are a very bright and pleasing rose-pink. It is perfectly hardy and blooms from Spring to Fall, and as a pink bedding rose it has no equal. We have counted as many as 100 blooms to a cluster on 3-year-old plants. 2-year dormant field grown plants, **each 50c, 3 for $1.35, doz. $5.00;** 2½ in. pot plants, **each 25c, 3 for 65c, doz. $2.50;** 3½ in. pot plants, **each 40c, 3 for $1.10, doz. $4.00.**

VAUGHAN'S WHITE BABY RAMBLER

The flowers are borne in clusters of 50 to 75 individual flowers, 1 in. in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 in. in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy. 2½ in. pot plants, **each 15c, 3 for 40c, doz. $1.50;** 3½ in. pot plants, **each 30c, 3 for 80c, doz. $3.00.**

TREE BABY RAMBLERS

Budded on Rugosa stock in tree or standard shape with bushy two-year-old heads, which will flower beautifully during the Summer and Fall
Baby Crimson and **Jessie.** 12 in. stems. **Orleans.** 24 in. stems.
Each $1.00, 3 for $2.75, 6 for $5.00.

TEA ROSES

The roses of this class are easily distinguished by their delicate fragrance and shades of color. Not being as hardy as the Perpetuals and Hybrid Teas, are more suited to greenhouse culture and the southern states, although they can be planted in any latitude and sunny position where they are protected from cutting winds. They prefer a rich, warm, dry soil and moderate pruning, removing all the unripe and weak wood. Protection in the way of straw, litter or leaves is necessary in the Fall.

Blumenschmidt. Large citron yellow flowers with the outer petals tinged a pale rose. An excellent bedder of the Cochet type. **3½ in pots only, each 30c, 3 for 80c, by express.**

Bride. This unusually large and free bloomer has a delightful fragrance which makes it desirable. It is white tinted with a delicate pink.

Bridesmaid. As a companion to the Bride this variety is hard to excel, both in color—a clear dark pink, and strong free blooming habit. Fine for cutting.

Cochet Pink. Well known as an excellent pink bedding rose, deliciously fragrant and a free bloomer. 2-year field grown plants, potted, **each 50c, 3 for $1.35, by express.** Also pot plants, see below.

Cochet White. A pure white of finest fragrance and with the good qualities of its parent—the pink cochet. 2-year field grown plants, potted, **each 50c, 3 for $1.35, by express.** Also pot plants, see below.

Perle Des Jardins. Deep straw yellow, sometimes deep canary yellow; the finest of its color for summer or winter blooming.

Price, except noted, 2½ in. pot plants, **each 15c, 3 for 40c, doz. $1.50;** 3½ in. pot plants, **each 30c, 3 for 80c, doz. $3.00.**

THE SOUPERT ROSES

The Soupert Roses are known and universally acknowledged as being the summer bedding roses. A bed filled with this type can be depended upon to give an abundance of bloom throughout the entire summer.

Clothilde Soupert. (Polyantha Tea.) A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care. 2½ in. pots, **each 15c, 3 for 40c, prepaid;** 3½ in pots, **each 30c, 3 for 80c, by express.**

Mosella. (The Yellow Soupert.) Ground color, beautiful light yellow with faint pink shade, edged white, an exquisite combination. This beautiful rose has the same free flowering qualities possessed by Clothilde Soupert, and we have no hesitation in recommending it to our customers. 3½ in. pot plants **only, each 30c, 3 for 80c.**

MOSS ROSES

These old-fashioned favorites require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more beautiful than a Moss Rose in bud. All are of the easiest culture.

Double Pink, Double Red, Double White. 2-year dormant stock. Extra strong plants, **each 35c, 3 for $1.00, 12 for $3.50, by express.**

AUSTRIAN BRIAR

Soleil d'Or or Golden Sun. Habit of plant is robust, producing vigorous shoots in abundance, branches straight and of good size. The coloring of the flowers is very rich, a marvelously rich shade of chrome-yellow with a glint of coppery-rose in the center. The goal for which the world's best hybridizers have been striving. **Price,** strong 2-year-old plants, field grown, **each 35c, 3 for $1.00, doz. $3.50.**

HARDY CLIMBING ROSES

We draw your attention to the splendid condition of our stock

Regarding Prices — Where the price for each is—

$0 15, we supply	3 for $0 40
.20, we supply	3 for .55
.25, we supply	3 for .65
.35, we supply	3 for 1.00
.40, we supply	3 for 1.10
.50, we supply	3 for 1.35
.75, we supply	3 for 2.10

American Pillar. A new climber of vigorous habit, the enormous flowers sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedon, fairly covering the bush. Color is a delightful shade of pink. In the fall the flowers are followed by large clusters of attractive red berries. Strong dormant stock, **each 50c, by express;** 2½ in. pots, **each 25c;** 3½ in. pots, **each 35c, by express, prepaid.**

Baltimore Belle. Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. **Price,** strong 2-year dormant field plants, **each 35c by express; 12 for $3.50.**

Climbing Baby Rambler. (Miss G. Mesman.) A hardy everblooming climbing rose, with beautiful carmine red flowers, produced in immense trusses from June until fall. 2½ in. pots, **each 25c;** 3½ in. pots, **each 35c, by express.**

Climbing Clothilde Soupert. It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 2½ in. pot plants, **each 15c, prepaid;** 3½ in. pots, **each 40c, by express.**

Climbing Hermosa. A climbing variety of this well-known hardy everblooming rose; the flowers are large, very double and very full; color, clear bright pink, and borne in great profusion. 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

Climbing Meteor. Rich dark velvety crimson; a similar color to that of General Jacqueminot. Fine strong plants. 2½ in. pots, **each 15c, prepaid;** 3½ in. pots, **each 40c, by express.**

Count Zeppelin. The color of this new hardy climbing rose is of a most brilliant pink, with fiery reflex. The plants are very strong, perfectly hardy and very free blooming, and to a certain extent, everblooming; that is, they will produce flowers after the main crop is gone. This new rose has been awarded numerous first prizes in Europe. 2½ in. pot plants, **each 35c, prepaid;** 3½ in. pot plants, **each 50c, by express.**

CRIMSON RAMBLER. This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of Roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. Strong 2-year-old, field grown, **each 50c;** strong 3-year field grown, **each 75c;** extra heavy field grown (splendid plants), **each $1.00, by express;** 2½ in. pots, **each 20c, prepaid.** 3½ in. pot plants, **each 35c, by express.**

DOROTHY PERKINS. A good one. As hardy as Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. Strong 2-year dormant field stock, **each 50c;** strong 3-year dormant field stock, **each 75c, by express;** 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 30c, by express.**

Excelsa. (New.) A distinct variety in form, color and habit, vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; tips of the petals tipped with scarlet. Strong 1-year dormant plants, **each 75c, by express.**

Flower of Fairfield. (Perpetual flowering Crimson Rambler.) Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. Strong 2-year field grown plants, **each 50c, by express.**

HIAWATHA. The flowers are single and of a deep crimson with petals shading to a pure white at the base. The plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and it is undoubtedly one of the best of the single roses. Strong 2-year dormant field plants, **each 50c, by express;** strong 3-year dormant field plants, **each 75c, by express;** 2½ in. pot plants, **each 25c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

"LADY GAY." The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb, vigorous grower and perfectly hardy. Strong 2-year dormant field plants, **each 50c, by express;** strong 3-year dormant field plants, **each 75c, by express;** 2½ in. pot plants, **each 15c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

Marechal Niel. A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½ in. pot plants, **each 15c, prepaid;** 3½ in. pot plants, **each 40c, by express;** 5 in. pot plants, **each 50c, by express.**

Mrs. Robert Peary. (Climbing Kaiserin.) The flowers are extra large, pure white and double. The most remarkable feature of this variety is that it blooms continuously the first year. 2½ in. pot plants, **each 15c, prepaid;** 3½ in. pot plants, **each 40c, by express.**

Prairie Queen. Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong dormant field plants, **each 35c, by express.**

LADY GAY

PHILADELPHIA CRIMSON RAMBLER. This variety is identical with the Crimson Rambler except the color is brighter, deeper, and more intense, the flowers are perfectly double to the center, last longer in bloom and come into flower about 10 days after the Crimson Rambler. Strong dormant field plants, **each 50c, by express.**

South Orange Perfection. (Wichuriana.) Flowers blush pink, fully double, profuse bloomer. 2-year dormant field plants, **each 35c, by express.**

"TAUSENDSCHON." This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft pink, same color as Clothilde Soupert, later on changes into rose carmine. Strong 2-year dormant field plants, **each 50c, by express;** strong 3-year dormant field plants, **each 75c, by express.**

Universal Favorite. (Wichuriana.) Blush white, double, one of the memorial set. Foliage beautiful glossy green. Very hardy. **Price,** strong 2-year-old plants, **each 35c, by express.**

Veilchenblau. (Violet Blue.) This new rambler is hailed by European growers as the forerunner of a true blue rose, is a seedling of the well known Crimson Rambler. The color on first opening is a purplish pink, then turns to amethyst and finally fades to steel blue. The yellow stamens form a distinct contrast to the blue petals. Strong plants, **each 35c, by express.**

WARTBURG. (New.) This magnificent new climbing rose is a seedling of **Tausendschon.** Flowers are double and of a beautiful dark rose, with twisted petals resembling those of a cactus cahlia. The size of the flowers is that of the Crimson Rambler and are produced in large clusters in the most abundant profusion. The growth is strong, the foliage beautiful dark green and the shoots without thorns. 2½ in. pot plants, **each 25c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

WHITE DOROTHY PERKINS. (New.) This beautiful new Rose is the counterpart of the well known Dorothy Perkins, excepting in the color which is pure white. Already a universal favorite. Strong 2-year dormant plants, **each 50c, by express;** extra heavy dormant plants, **each $1.00, by express;** 2½ in. pot plants, **each 20c, prepaid.**

Wichuriana. (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year dormant plants, **each 35c, by express.**

RUGOSA ROSE

GRUSS AN TEPLITZ
Best bedding Rose

MOSS ROSE

TREE OR STANDARD ROSES

These roses are grafted on R. Rugosa with about 3 ft. clear stem. We have an exceptionally fine stock in the following varieties: Crimson Rambler, Dorothy Perkins, Lady Gay, Baby Ramblers (Standards and half Standards), H. P. Varieties, pink, red or white. **Each $1.00, doz., $10.00.**

RUGOSA ROSES

Agnes Emily Carmen. Brilliant crimson, single flowers; same shade as that of Gen. Jacqueminot. A very free flowering variety, being in flower almost all the summer.

Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, by express.**

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming—almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Conrad F. Meyer. Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. **Extra fine.**

Mad. G. Bruant. Blossoms in clusters. Semi-double pure white flowers. Fine for cemetery.

Rubra. (Type.) Beautiful single red, flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, by express.**

Price, except where noted, **each 35c; 3 for $1.00; 12 for $3.50, by express.**

VARIOUS ROSES

Hermosa. (China.) A grand old rose. There are many gardens in which it holds first place for full and frequent bloom. Flowers borne in clusters, clear bright pink, very double and one of the best. Strong dormant field plants, **each 30c by express;** 2½ in. pot plants, **each 15c prepaid;** 3½ in. pot plants, **each 30c by express.**

Persian Yellow. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and amongst shrubs, prune lightly as this variety flowers on the previous year's growth. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz. $3.50, by express.**

Rubiginosa. (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. No garden should be without a plant of it. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 12 to 15 in., **15c each; $6.00 per 100;** 4 to 5 ft., **40c each; $35.00 per 100.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, especially when set among a mass of other shrubs or planted by itself in groups. 2 to 3 ft., **35c;** 3 to 4 ft., **50c by express.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. **Price,** 2-year-old plants, **each 35c; 3 for $1.00, by express.**

Souv. de La Malmaison. (Bourbon.) The finest Bourbon rose sent out for many years, the color is lovely creamy flesh, with bright rose center elegantly shaded, constant bloomer and entirely hardy. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00;** 3-year, **50c; doz., $3.50, by express.**

ROSE COLLECTIONS

We give the names and colors of the varieties in our collections, but should the stock, as the season advances, become exhausted, we reserve the right to send another of similar character and equally desirable in place of it without further notice. If customers do not wish this, please state so when ordering.

THE "GLENCOE" COLLECTION

of 10 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses page 100.)

Capt. Christy. Flesh.
Caroline Testout. Satin Rose.
Duchess of Albany. Deep pink.
Gruss an Teplitz. Brilliant red.
J. B. Clark. Scarlet.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
La France. Satin pink.
Mme. Abel Chatenay. Carmine.
Mrs. Aaron Ward. Orange yellow.

Price, 2-year-old field grown plants, potted, **1** each of above kinds, **$4.00. 2** each of above kinds, **$7.50,** by express.

THE "LAKE FOREST" COLLECTION

of 15 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses, page 100.)

Cardinal. Dark red.
Gruss an Teplitz. Brilliant red.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Mme. Abel Chatenay. Rosy carmine.
Mme. Jules Grolez. Red.
Mme. Segond Weber. Salmon.
My Maryland. Pink.
Mrs. Aaron Ward. Orange yellow.
Othello. Velvet rose.
Richmond. Red.
Souv. de Pres. Carnot. Blush white.
White Killarney. Pure white.
W. R. Smith. Creamy white.

Price: The collection from 2½ in. pots, **$1.50, prepaid;** 3½ in. pots, **$3.00, by express.**

THE "COMBINATION" HARDY ROSE COLLECTION

(For description see general list of Roses.)

1 Crimson Rambler. Climbing rose, red 2 year.
1 Crimson Baby Rambler. Red, 2 year.
1 Kaiserin Augusta Victoria. Hybrid Tea, white, 2 year.
1 Frau Karl Druschki. Hybrid Perpetual, white, 2 year.
1 Maman Cochet. Tea, pink, 2 year.
1 Clothilde Soupert. Polyantha. Blush, 3½ in. pots.
1 Hermosa. China, pink, 2 year.
1 Moss Rose. Pink, 2 year.

Price: The above collection for **$2.50,** regular price **$3.35.**

SURPRISE COLLECTION GARDEN ROSES

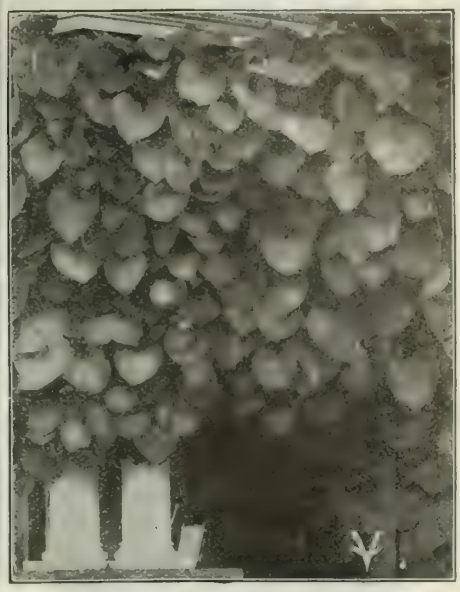
	Our selection of Sorts Only. Plants	From inch Pots	Ready May 1st. Varieties	
S. R. C. No. 1	12	3½	12	**$ 2.50 by exp.**
S. R. C. No. 2	100	3½	15	**16.00 by exp.**
S. R. C. No. 3	12	2	12	**.50 by mail.**
S. R. C. No. 4	100	2	15	**3.50 by exp.**

Collections No. 3 and No. 4 cannot be supplied after June 1st.

Unnamed Hardy Everblooming Garden Roses in Pink, White or Red, suitable for bedding, from 2½ in. pots. **Price per doz., 75c.**

HARDY CLIMBING VINES

AMPELOPSIS ENGELMANNI



ARISTOLOCHIA (Dutchman's Pipe)

BIGNONIA RADICANS
(Trumpet Vine)

These most useful and beautiful plants are becoming more popular every year and deservedly so. For beautifying summer houses, trellises, verandas and walls, etc., they are invaluable. All are of easy culture, and once planted require very little attention, beyond an occasional soaking of water in very dry weather, and a little fertilizer in the spring.

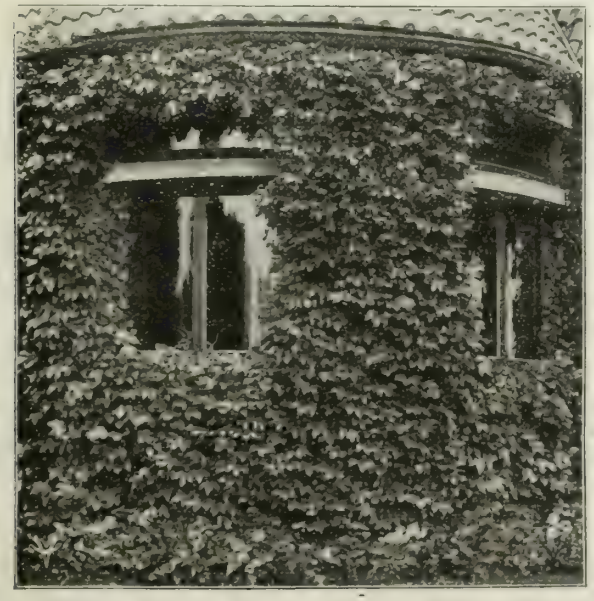
Actinidia Polygama. (The Silver Vine.) A desirable Japanese climber, of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3-year plants, **each, 50c, by express.**

Akebia Vine. A beautiful, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers, resembling Forget-me-nots. Large vines, 3 years old, **35c;** 4 years old, **50c, by express.**

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 1 year old, **each, 25c;** 2 years old, **each, 35c, by express.**

Ampelopsis Elegantissima. A new small leaved climber of merit. Strong grower of clean habit with leaves turning a fine color in the autumn. Strong 2 year plants, **each 35c, by express.**

Ampelopsis Engelmanni. (Engelman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, **25c;** 3 year, **35c;** 4 year, **50c each, by express.**



JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

Ampelopsis Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 3 inch pots, **each 50c, postpaid.**

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 year, **each 25c; doz., $2.50.** Extra strong, 3 year, **each 35c; doz., $3.50, by express.**

Ampelopsis Robusta Purpurea. An improved Boston Ivy of which it is a variety. Remarkably strong and sturdy in habit. Strong 3 year plants, **each 50c, by express.**

Apios Tuberosa. A hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. **Each 5c; doz., 50c, postpaid.**

Aristolochia Sipho. (Dutchman's Pipe.) Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 years old, **35c;** 3 years old, **50c each, by express.**

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps; or wherever a showy flowering vine is desired. 2 year, **each 20c; doz., $2.00;** 3 year old, **each 35c; doz., $3.50;** 4 year old, **each 50c; doz., $5.00, by express.**

Celastrus Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 year, **each 30c; doz., $3.00;** 3 year, **each 50c; doz., $5.00, by express.**

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 year vines, **each 30c; doz., $3.00; 100 $25.00 by express.**

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots. **Each 5c; doz., 50c; postpaid;** extra large roots, **each 10c; doz., $1.00, postpaid.**

The Japan or Boston Ivy (Ampelopsis Veitchii.)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson The handsomest vine possible for growth on brick walls.

PRICES

By Mail Postpaid	By Express, Not Prepaid
1 yr., ea. 20c; 3 for $0.50; doz., $1.50	1 yr., ea. 15c; 3 for $0.40; doz., $1.25
2 yr., ea. 25c; 3 for .65; doz., $2.50	2 yr., ea. 20c; 3 for .50; doz., $2.00
3 yr., ea. 40c; 3 for 1.10; doz., 4.00	3 yr., ea. 35c; 3 for 1.00; doz., 3.75

3 year, extra selected, **each 60c; 3 for $1.50, by express.**

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis all large flowering types such as C. Jackmani, Henryii, etc., Ampelopsis Veitchii (Boston Ivy.)

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine, Periploca Graeca.

VAUGHAN'S "SHADY SIDE" CLIMBER COLLECTION FOR 1912

Each plant is suitable for planting on the north side of any building where sunlight is not strong

Clematis Jackmani
Aristolochia (Dutcnman's Pipe)
Celastrus (Bitter Sweet)
Honeysuckle Heckrotti
Akebia Vine
Boston Ivy

1 each: All strong 2 yr. plants for **$1.50 by express only, not prepaid.**

VAUGHAN'S "SUNNY SIDE" CLIMBER COLLECTION FOR 1912

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper)
Clematis (Japanese Clematis)
Honeysuckle Scarlet Trumpet
Matrimony Vine
Ampelopsis (Virginia Creeper)
Periploca (Silk Vine)

1 each: **All strong 2 yr. plants for $1.25 by express only, not prepaid.**

LARGE FLOWERING CLEMATIS

JACK-AND-THE-BEAN-STALK VINE

CLEMATIS PANICULATA

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Azure Star. A new variety with large blue flowers. Strong grower and very desirable.

Beauty of Worcester. (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant.

Gypsy Queen. A rich, dark velvety purple; a fast grower and a free bloomer. A very attractive and curious variety.

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter, and pure white. Very hardy.

Jackmanni. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Viellard. Light rose, lilac shadings. Much admired.

Miss Bateman. Pure white, with chocolate anthers. Commences to bloom as soon as its leaves start in May.

Mr. Paten. A fine new variety with double lavender flowers, a good grower and free bloomer.

Sieboldi. Flowers of large size. A beautiful light blue in color. Strong grower. One of the best.

Ville de Lyon. Its blooming capacity is great and the flowers of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Prices—Extra Size Plants for Immediate Effect. Many of our customers desiring immediate effect prefer this stock which we import from the best nurseries in Europe. **Price, strong 2-year-old plants, each 50c; doz., $5.00 prepaid. Extra strong, 3-year-old-plants, 75c; doz., $8.00, by express, not prepaid.**

We send out healthy stock of this class of plants and cannot entertain any complaints on account of them not growing.

CLEMATIS COCCINEA HYBRIDS

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous, robust growth and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

Countess of Onslow. Bright violet-purple, with a broad band of scarlet through the center of each petal.

Duchess of Albany. A beautiful bright pink; deeper in the center.

Duchess of York. A delicate and pleasing shade of pale pink.

Grace Darling. A very pretty, bright, rosy carmine.

Strong plants, **each 60c; 3 for $1.60, by express.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Crispa. Fine, deep blue, with a white border and deliciously fragrant. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Integrifolia Durandi. Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. **Each 50c, by express.**

Montana Rubens. This beautiful hardy, new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until frost. Strong plants, **each 75c; per doz., $7.50, by express.**

Viticella Purpurea Plena Elegans. (New.) A rapid grower with small double purple flowers. Strong plants, 3 years old, **each 50c., by express.**

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines.

PRICES. By Mail Postpaid				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
$0.20	$0.50	$1.70	1-year	$0.15	$0.40	$1.50	$10.00
.30	.80	3.00	2-year	.25	.65	2.50	15.00
.50	1.40	5.00	3-year	.40	1.10	4.00	25.00
.90	2.50		4-year	.75	2.00	7.50	

HAVANA, July 13, 1910. The packing of your last invoice was perfect, specially the Roses, Asparagus, Ferns. If it had not been for this, all the lot would have been lost. Think of the plants being packed in boxes for 37 days.

AUGUSTIN BRUN, Inspector of Parks,
Panama, Republic of Panama.

WISTARIA

VITIS HETEROPHYLLA

MATRIMONY VINE

HARDY CLIMBERS—Continued

HONEYSUCKLES

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers, pure white, changing to yellow. July to November.

Price. Heavy 3-year old vines, **each 50c; 3 for $1.35; doz., $5.00, by express.** Strong 2-year old vines, **each 35c; 3 for $1.00; doz., $3.50, by express.**

HOP VINE (Humulus Lupulus)

A useful climber for covering unsightly places. **Each 10c; doz., 85c; 100 $6.00, postpaid.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, **postpaid, 15c; doz., $1.50.** Extra size roots, by **express, each 25c; doz., $2.50.**

KUDZU VINE (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, **each 15c; 3 for 40c, postpaid.** Larger roots, **each 25c; 3 for 65c, by express.**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn.

Strong, 2-year old plants, **each 30c; doz., $3.00;** 3-year old, **each 40c; doz., $4.00;** 4-year old, **each 50c; doz., $5.00, by express.**

PERIPLOCA GRAECA (Silk Vine)

Native of Southern Europe. A rapid growing beautiful climber. Will twine around a tree or other support to the height of 30 to 40 feet. Foliage glossy, and purple brown, axillary clusters of flowers. Strong vines, 3 years old, **each 35c; 3 for $1.00; doz., $3.50, by express.**

VITIS (Wild Grape Vine)

We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. **Each, 30c; 3 for 85c; doz., $3.00, by express; 3 years, extra heavy, each, 50c; doz., $5.00, by express.**

Vitis Heterophylla. Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2 year, **each, 50c;** 3 year, **each, 75c, by express.**

WISTARIA

Sinensis. Long clusters of purple flowers. 2 year old plants, **each, 50c by express.**

Alba. Flowers white, in drooping racemes. Large plants 3 years old **75c, by express.**

Magnifica. Clusters of purple-lilac flowers. Price 2-year, **35c;** 3-year, **50c;**, 4-year, **75c, by express.**

WATER LILIES

A water garden may be enjoyed in any sunny back yard, as well as in large gardens or parks. When the natural conditions of water or soil are not found, artificial ponds, basins, tanks or tubs may be utilized and the results will be equally satisfactory.

Water gardening is exceedingly simple, the requirements being a water holding receptacle two to three feet deep, of any shape and area desired, a warm sunny situation, some good rich soil, an available supply of water to make good the loss from evaporation and a suitable selection of plants.

We have made arrangements with a well known Water Lily expert to grow our plants for us and in placing orders it will be necessary to allow us a few days' time so that we can communicate with him.

HARDY NYMPHAEAS

N. candidissima. A vigorous and desirable variety. Flowers good-sized and pure white. An early and free bloomer. **50c each.**

N. fulva. Flower yellow, shaded pink on first day, changing to orange-red; stamens orange; leaves blotched chestnut. **$1.00 each.**

N. Gladstoniana. Flowers dazzling white, 6 to 8 in. across; petals concave and broad. A free and continuous bloomer and one of the finest white Lilies in cultivation. **50c each.**

N. Laydekeri lilacea. Flowers 3 to 5 in. across, rosy-lilac, shaded bright carmine, with a tea rose fragrance. **75c each.**

N. Laydekeri purpurata. A free-blooming variety; flowers medium sized, rosy crimson with reddish orange stamens. **75c each.**

N. Marliacea albida. A vigorous variety; flowers large, of sparkling whiteness, stamens light yellow, sepals flushed pink, fragrant and produced freely and continuously through the season. Very desirable. **50c each.**

N. Marliacea carnea. Similar to the preceding save in color, which is of a soft flesh-pink, deepening towards the base of the petals. **75c each, $7.50 doz.**

N. Marliacea chromatella. A free and vigorous grower, flowers 4 to 6 in. across, bright canary yellow, stamens deep yellow, leaves deep green, beautifully blotched with brown. One of the best. **50c each.**

N. odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 in. in diameter, stamens yellow, leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. **20c each.**

N. odorata W. B. Shaw. Flowers large, of a rich rose pink color and very fragrant. A strong grower and continuous bloomer. **$1.00 each.**

N. odorata Luciana. An exquisite variety. Flowers 4 to 5 in. across, of pure rose pink, with delightful fragrance. **75c each.**

N. odorata exquisita. Flowers of a very intense rose-carmine, 3 to 5 in. across. Very attractive. **$1.00 each.**

N. odorata sulphurea. Flowers fragrant, 4 to 5 in. across; sulphur yellow, standing well above the water. A desirable variety. **50c each.**

N. odorata Helen Fowler. A new seedling with fragrant flowers 3 to 5 in. across, of a very deep pink color; a strong grower and a continuous bloomer. A desirable variety. **75c each.**

N. pygmæa. The smallest Water-Lily in cultivation. Flowers white, 1½ to 2 in. across. A free bloomer. **75c each.**

N. pygmæa Helvola. A yellow pygmæa, a very dainty Lily and very free flowering. **75c each.**

N. Robinsoni. Large floating flowers of a dark orange-red color. A free bloomer and should be in every collection. **$1.00 each.**

N. tuberosa maxima. Flowers medium size, cup-shaped, pure white with strong fragrance. **20c each.**

N. tuberosa rosea. Flowers of an exquisite shade of pink, 4 to 5 in. across, standing well out of the water. Desirable. **50c each.**

Vaughan's Hardy Perennials

ARTEMISIA LACTIFLORA

SHASTA DAISY—Burbank's New Semi-Double

DELPHINIUM Moerheimi

Hardy Perennials, better known as "Old Fashioned Garden Flowers", are yearly making rapid strides in popularity and it is not to be wondered at when we consider the many uses for them. We carry a large stock of these old fashioned flowers, also many new ones which are improvements on existing sorts or new introductions entirely.

A properly planted and cared for border of hardy plants can be one of the main features of the home grounds for, by a judicious selection, blooms may be had in it from the melting of the snow until frost sets in.

It is always advisable to have a planting plan, no matter how crude, and arrange on paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting the list below. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible. A small number of varieties well arranged are more satisfactory than the whole planted with one of a kind of many varieties.

Parties ordering for the first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience.

Bearing in mind that the plants must remain as set for several years it is well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure, in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground. The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will then give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid.

New and Rare Hardy Plants for 1912

We take pleasure in introducing to your notice the following list of new, rare and desirable varieties, many of them offered for the first time.

ACONITUM Fisheri. Dwarf species not growing over 3 ft. high with glistening foliage and bright blue flowers. Flowering in September-October. **Each 35c; doz. $3.50.**

ACONITUM Spark's Var. A rare plant, growing 5 to 6 feet high. The darkest blue of all. **Each 35c; doz. $3.50.**

ADONIS Amurensis Fl. Pl. Rare, with pretty fern-like foliage and large double yellow flowers. In every way larger and stronger than Adonis vernalis. One of the earliest flowering perennials. **Each 75c; doz. $7.50.**

ANEMONE Japonica Géante des Blanches. This new single Anemone produces very large silvery white flowers on stems of 2 and 3 feet in height. It is the best of the whites. **Each 40c; doz. $4.00.**

ARTEMISIA Lactiflora. A new plant growing 4 to 4½ feet high, and bearing graceful branching panicles of pure white fragrant flowers. The foliage is dark green and very elegant. October. **Each 35c; doz. $3.50.**

ASTER Amellus Beaute Parfaite. Fine large dark violet blue flowers, very free flowering and one of the best of this section; flowers from July to September. Height 2 ft. We have had this variety on trial for the past year, and have every confidence in recommending it to our customers. **Each 30c. doz. $3.00.**

ASTER Amellus Perry's Favorite. A new variety with beautiful pink flowers, easily the best pink in Hardy Asters. Height 2 ft. Flowers in July and August. **Each 20c; doz. $2.00.**

ASTER Beauty of Colwall. Distinct novelty with perfectly double flowers of a pleasing shade of lavender. Very free flowering. Height 4 ft. Received First Class Certificate R. H. S. London, 1907. **Each 50c; doz. $5.00.**

ASTER Ibericus Ultramarin. A wonderful, fine new Aster, of brilliant dark blue color. The flowers are placed in large clusters and appear in profusion. A grand acquisition and the best for cutting purposes. **Each 25c; doz. $2.50.**

DAISY (Shasta), Burbank's New Semi-Double. This is an everblooming variety, with semi-double snowy white flowers, flowering throughout the whole summer. Exceptionally fine for cutting. 2 ft. **Each 50c; doz. $5.00.**

DELPHINIUM Capri. A very free flowering sky blue variety with a very strong and healthy constitution. It is easily the best light blue variety yet introduced. **Each 50c; doz. $5.00.**

DELPHINIUM Moerheimi. The first pure white Delphinium and one of the best novelties introduced in years. It grows 4 to 5 ft. high and flowers more continuously than any other Delphinium. It is a decided acquisition and should be valuable for cut flower purposes. **Each 50c; doz. $5.00.**

DELPHINIUM Rev. E. Lascelles. One of the finest Delphiniums with bold spike and large double flowers with white and blue center, well placed on the spike. Height 4 to 5 ft. Award of Merit, R. H. S. **Each 50c; doz. $5.00.**

DIANTHUS Napoleon III Improved. One of the handsomest of all the mule pinks; strong robust grower resembling a carnation. The flowers are a brilliant dark crimson, produced in great profusion from early spring until frost. **Each 25c; doz. $2.50.**

GERMAN IRIS, King of Iris. A new introduction of great promise. "Standards" are clear lemon yellow, "Falls" deep satiny brown, with a broad border of golden yellow. This variety is far superior to Maori King. **Each 50c; doz. $5.00.**

HEMEROCALLIS Aureole. A new Japanese hybrid of recent introduction producing branched spikes of rich orange yellow flowers shaded crimson on the outside, and forms a dense bush about 2 ft. high. **Each 50c; doz. $5.00.**

HEMEROCALLIS Citrina. A strong tall-growing new variety from China, producing pale citron-yellow flowers, height 4 ft; showy. **Each 75c.**

HEMEROCALLIS Dr. Regel. Fine late flowering variety, with well shaped rich apricot flowers. Height 2½ ft. **Each 50c; doz. $5.00.**

HEUCHERA Brizoides Flambeau. A beautiful new variety, producing flower stems 2 ft. high, color brilliant salmon-rose. It is exceptionally fine for cut flowers and for mixing with other cut flowers. **Each 35c; doz. $3.50.**

HEUCHERA Pluie de Feu. A new free flowering variety with fiery scarlet flowers, very distinct. **Each 35c; doz. $3.50.**

MALLOW MARVELS. Large flowers eight to ten inches across, blooming profusely in many colors from July until frost. They are perfectly hardy and adapt themselves to almost any situation. **Each 35c; doz. $3.50.**

PHLOX Elizabeth Campbell. Very large spikes with flowers of a quite new color, light salmon changing to pink in the centre. It is the best pink Phlox and the best for bedding. Extra! **Each 25c; doz. $2.50.**

PHLOX Rosenberg. Fiery carmine violet blood-red eye. **Each 25c; doz. $2.50.**

PHLOX Snowbird. This new Phlox which we offer is a seedling of our own. The flowers are large, well formed and pure white with a faint eye; on the reverse side of the petals there are violet markings. It is a very robust grower of medium height and flowers about midseason. **Each 35c; doz. $3.50.**

THALICTRUM Dipterocarpum. A new introduction of great merit, the inflorescence is particularly graceful attaining the height of 5 to 6 ft. The individual flowers which are of a rosy purple color contrast beautifully with the citron yellow of the numerous anthers. **Each 30c; doz. $3.00.**

ANEMONE JAPONICA

Hardy Perennial Plants

A General Collection

Regarding Prices

Where price per "each" is **15c**, we furnish.....**3 for 40c**
Where price per "each" is **20c**, we furnish.....**3 for 50c**
Where price per "each" is **25c**, we furnish.....**3 for 65c**

All orders are forwarded upon receipt, unless otherwise instructed to the contrary. Customers will kindly state at the time of ordering when goods are to be shipped.

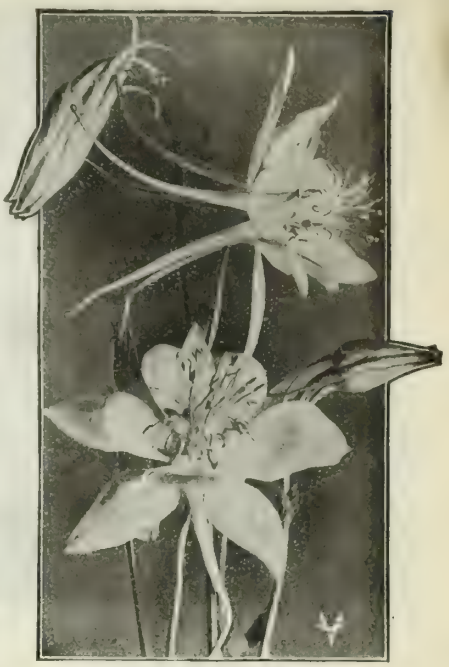
Of all varieties marked with an asterisk (*) we can supply larger clumps at a 50% increase in price, by express only.

Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections, but will send out everything labeled.

No. 21—	Hardy Plants	25	first-class plants	in	variety	for		$3.00
No. 22—	"	"	50	"	"	"	"	5.00
No. 23—	"	"	100	"	"	"	"	9.50
No. 24—	"	"	250	"	"	"	"	23.00
No. 25—	"	"	500	"	"	"	"	45.00
No. 26—	"	"	1000	"	"	"	"	85.00



AQUILEGIA or COLUMBINE

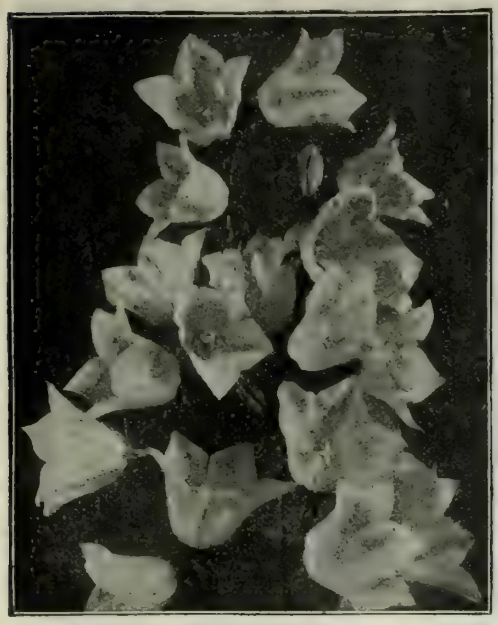
Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ACHILLEA	Milfoil.						Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting, especially the Pearl. Boule de Neige is a new variety and is the best of its class.
***Eupatorium**		All Summer	Yellow	4-5 ft.	15c	$1.50	
***Millefolium Roseum**		June-Aug.	Pink	2 ft.	15c	1.50	
Ptarmica Boule de Neige (new)		June-Aug.	White	2 ft.	25c	2.50	
The Pearl		June-Aug.	White	2 ft.	15c	1.50	
ACONITUM							Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. The Wilsoni variety is a novelty recently introduced from China. The graceful flower spikes attain a height of about 6 feet, and produce many fine pale blue or violet flowers. It blooms from the beginning of September until the end of October. Fisheri is a dwarf variety not growing over 3 feet high with glistening foliage and bright blue flowers. Spark's variety is a very rare plant and darkest blue of all.
Autumnale	Monk's Hood or Helmet Flower	September	Deep Purplish Blue	4 ft.	20c	2.00	
Fisheri	"	Sept.-Oct.	Light Blue	3 ft.	35c	3.50	
Napellus	"	Aug.-Sept.	Dark Blue	4 ft.	20c	2.00	
Album	"	Aug.-Sept.	White	2½ ft.	20c	2.00	
Bicolor	"	Aug.-Sept.	Blue and White	2½ ft.	20c	2.00	
Spark's var	"	Sept.-Oct.	Dark Blue	5 ft.	35c	3.50	
Wilsoni	"	Sept.-Oct.	Pale Blue or Violet	6 ft.	25c	2.50	
ACTAEA							A native plant, with long, feathery racemes; requires a shady place. The flowers are followed by clusters of black berries.
Japonica	Baneberry	Sept.-Oct.	White	2½ ft.	20c	2.00	
ADONIS							A very beautiful, rare, spring flowering perennial for shady situation, flowers double yellow, with green center. A desirable novelty.
Amurensis Fl. Pl	Pheasant's Eye	April-May	Dble. Yellow	1 ft.	75c	7.50	
ALYSSUM	Madwort						Showy spring flowering plants. Valuable for front row in border or rock garden. The double variety is a special favorite.
Argenteum		June	Golden Yellow	1½ ft.	15c	1.50	
Saxatile Compactum	Gold Dust	May-June	Golden Yellow	1 ft.	15c	1.50	
Saxatile Fl. Pl		May-June	Golden Yellow	1 ft.	20c	2.00	
ANCHUSA							Forget-Me-Not like, blue flowers, borne in great profusion. Dropmore variety is new and one of the best blue perennials, coming into bloom before the Delphiniums, and continuing in flower throughout the summer.
Augustifolia	Cape Forget-Me-Not	May-June	Dark Blue	2 ft.	15c	1.50	
Italica Dropmore Variety		May-June	Blue	5-6 ft.	25c	2.50	
ANEMONE	Wind Flower.						Anemones are valuable hardy plants for the decoration of the garden and for cut flower purposes. Canadensis is a pretty native windflower growing 12 to 15 inches high producing its white flowers in profusion throughout the summer. The Japanese varieties are valuable plants for the fall. They like a good rich soil, and although they will do well in sunny situations if the soil is moist, they do best when planted in partial shade. They should be left undisturbed for years as it is only when they are well established that they are seen in their full beauty.
Canadensis		June-Aug.	White	1 ft.	15c	1.50	
Sylvestris Fl. Pl	Snowdrop Windflower.	May-June.	Double White	6-8 in.	20c	2.00	
Sylvestris	Snowdrop Windflower.	May-June.	Single White.	6-8 in.	15c	1.50	
Japonica							
Alice		Aug.-Nov.	Carmine Pink, Dbl.	3 ft.	35c	3.50	
Geante des Blanches		Aug.-Nov.	White.	2-3 ft.	40c	4.00	
Honorine Jobert		Aug.-Nov.	Snow White.	2-3 ft.	15c	1.50	
Kriemhilde		Aug.-Nov.	Rose Carmine	2-3 ft.	40c	4.00	
Prince Henry		Aug.-Nov.	Dark Red	2-3 ft.	20c	2.00	
Queen Charlotte		Aug.-Nov.	Double Pink.	2-3 ft.	15c	1.50	
Rosea Superba		Aug.-Nov.	Rose	2-3 ft.	15c	1.50	
Whirlwind		Aug.-Nov.	Double White	2-3 ft.	15c	1.50	
ANTHEMIS	Marguerite.						This Hardy Marguerite is one of the most satisfactory hardy perennials succeeding in the poorest soil. The flowers are deep yellow.
Kelwayi		May-July	Yellow	1 ft.	15c	1.50	
AQUILEGIA	Columbine.						The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They are much prized also for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Splendid subjects for naturalizing in a semi-wild garden.
Canadensis		June-Aug.	Red and Yellow	2 ft.	15c	1.50	
Chrysantha	Spurred	June-Aug.	Golden Yellow	3 ft.	15c	1.50	
Alba	Spurred	June-Aug.	Pure White	2 ft.	15c	1.50	
Coerulea	Spurred	June-Aug.	True Blue	1 ft.	15c	1.50	
Hybrida	Spurred	June-Aug.	Mixed	1 ft.	15c	1.50	
Nivea Grandiflora		June-Aug.	White	2 ft.	15c	1.50	
Rose Queen	Spurred	June-Aug.	Light Rose and Yellow Anthers.	1 to 1½ ft.	25c	2.50	
Vervaeneana		June-Aug.	Double Violet	2½ ft.	15c	1.50	
Vulgaris Alba Fl. Pl		June-Aug.	Double White	2 ft.	15c	1.50	

HARDY ASTER

BAPTISIA

BOLTONIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ARABIS							Arabis thrive well in a hot, dry situation and make a good covering for walls or rock garden, also front row in hardy border. They come into bloom very early and can be planted in beds filled with Hyacinths and Tulips in Fall.
Alpina	Rock Cress	April-May	White	6 in	10c	$1.00	
Flore Pleno		April-May	White	6 in	15c	1.50	
Grandiflora Superba		April-May	White	6 in	15c	1.50	
ARMERIA	Thrift.						Armerias require a good drained loam. A good plant for front of border, graves or rockery. Dwarf compact, evergreen foliage. Excellent for cutting.
Formosa		June	Pink	9 in	15c	1.50	
Maritima		June	Rosy Pink	14 in	15c	1.50	
ARTEMISIA	Southern Wood.						A useful class of plants either for the perennial border or the shrubbery. The variety Lactiflora is especially desirable producing long, graceful panicles of creamy white flowers.
***Abrotanum**	or Old Man	June		2-3 ft	15c	1.50	
Lactiflora		Sept.-Oct	White	4-4½ ft	35c	3.50	
Stelleriana	Old Woman	June-Aug	White	1½ ft	15c	1.50	
ASCLEPIAS							Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.
Tuberosa	Milk-Weed	June-Aug	Bright Orange	2 ft	15c	1.50	
ASPERULA	Waldmeister						Waldmeister is used for May wine. Creeping plant with hay-scented leaves; suitable for planting in shade shrubbery or woodland.
Odorata	Sweet Woodruff	May	White	6 in	25c	2.50	
ASTERS Hardy	Michaelmas Daisy						These are amongst the showiest of our hardy perennials coming into bloom at a time when most other flowers are on the wane. They will succeed in any good garden soil. The varieties we offer are the best for all purposes, the inferior sorts being eliminated. There is a quiet beauty about these Starworts which is charming in the Autumn days, and their variety of color, of form and of bud and blossom is delightful. Even when not introduced into the flower garden they should always be grown for cutting. Nothing can equal them for naturalizing along woodland drives. They are also excellent for forming bold groups to cover the bare ground amongst newly planted shrubs.
Acris	or Starworts	Aug.-Oct	Soft Blue	1½ ft	15c	1.50	
Alpinus Himalaicus		June	Pale Violet	4 in	20c	2.00	
Superbus		May-Aug	Blue	7 in	15c	1.50	
Amellus Beaute Parfaite		July-Aug	Blue	1 ft	30c	3.00	
Preziosa	New	August	Deep Blue	2 ft	20c	2.00	
Roseus		Aug. Sept	Dark Rose	2 ft	20c	2.00	
Beauty of Colwall	New	Sept.-Oct	Double Lavender	4 ft	50c	5.00	
Cordifolius		September	Blue	4 ft	15c	1.50	
Grandiflorus	New	July-Aug	Large Dark Blue	1½ ft	25c	2.50	
Ibericus Ultramarine	New	Aug.-Sept	Very Dark Blue	2 ft	25c	2.50	
Laevis Pulcherrimus		Sept.-Oct	Pale Lilac	5 ft	25c	2.50	
Mesa Grande Speciosa Grdfl	New	July-Aug	Dark Blue	2 ft	25c	2.50	
Nova Belgiae Glory de Nancy		Sept.-Oct	White	30 in	15c	1.50	
Ryecroft Pink		Sept.-Oct	Rosy Carmine	4 ft	20c	2.00	
St. Egwin		August	Pure Pink	3 ft	30c	3.00	
Sub-Coeruleus		June-July	Bluish Violet	1 ft	25c	2.50	
Thompsoni Nana	New, Scarce	July-Nov	Soft Blue	18 in	35c	3.50	
White Dwarf Queen		Sept.-Oct	Large White	3 ft	15c	1.50	
BAPTISIA							Strong growing plant suitable for specimen in border, dark green foliage deeply cut, requires full sun and deep loam.
Australis	False Indigo	June-July	Dark Blue	2½ ft	15c	1.50	
BELLIS	English Daisy						Valuable for edging beds or clumps in front of border.
Perennis		April-June	Pink or White	6 in	10c	.60	
BLEEDING HEART	See Dielytra	May-June	Pink	2½ ft	15c	1.50	
BOCCONIA							A beautiful tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Will thrive in any ordinary garden soil.
Cordata	Plume Poppy	July-Aug	Creamy White	7 ft	15c	1.50	
BOLTONIA	False Camomile						These Aster-like hardy plants are useful for cutting especially the Latisquama type, remaining in bloom a long time, require good rich soil and an open situation in border or shrubbery.
***Asteroides**		July-Oct	White	4 ft	15c	1.50	
***Latisquama**		July-Oct	Pink	3 ft	15c	1.50	



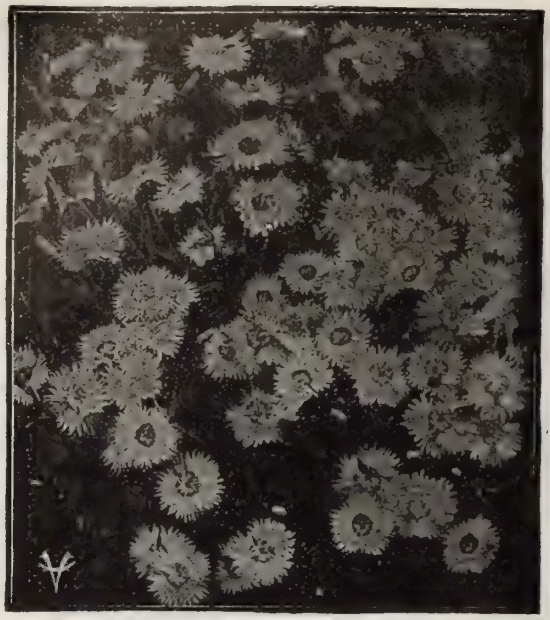
CAMPANULA PERSICIFOLIA ALBA

CHRYSANTHEMUM MAXIMUM

COREOPSIS LANCEOLATA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
CAMPANULA	Bell Flower						A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants and the new double white variety Moerheimi is especially good, producing large spikes of double Camellia like flowers from the middle of May until late in July. Pyramidalis is a tall growing species sending up its stalks of bloom 5 to 6 feet in height during August and continuing to bloom for six weeks or more. This variety makes splendid specimens for piazza decoration if grown in large pots or tubs.
Carpatica	Harebell	June-Aug.	Blue	1 ft.	15c	$1.50	
Alba		June-Aug.	White	1 ft.	15c	1.50	
Glomerata Acaulis	Clustered Bellflower	June-Aug.	Dark Blue	12 in.	15c	1.50	
Latifolia Macrantha		June-Aug.	Dark Blue	3-4 ft.	25c	2.50	
Medium	Canterbury Bells	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Calycanthema	Cup and Saucer	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Persicifolia	Peach Bells		Blue	4 ft.	15c	1.50	
Alba		June-Aug.	Pure White	2 ft.	15c	1.50	
Moerheimi		May-Sept.	Double White	2 ft.	25c	2.50	
Pyramidalis	Chimney Bellflower	September	Blue	4 ft.	25c	2.50	
Alba		September	Pure White	4 ft.	25c	2.50	
CATANANCHE							This pretty useful plant thrives in any good garden soil and is valuable as a cut flower; or for planting in the perennial border.
Coerulea	Cupid's Dart	July-Aug.	Blue	2 ft.	15c	1.50	
Alba		July-Aug.	White	2 ft.	15c	1.50	
CENTAUREA	Hardheads or						Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil.
Montana Mixed	Knap Weed	July-Sept.	Blue and White	18 in.	15c	1.50	
***Ruthenica**		July-Sept.	Pale Yellow	3 ft.	15c	1.50	
CENTRANTHUS							Good for border and the rock garden; will thrive anywhere even in a very dry situation.
Ruber	Jupiter's Beard or Red Valerian	May-Aug.	Deep Red	2-3 ft.	15c	1.50	
CERASTIUM							Silvery foliage, fine for graves, steep banks and dry places; also formal gardens.
Tomentosum	Snow in Summer	May	White	8 in.	15c	1.50	
CHRYSANTHEMUM							Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well when cut. They are perfectly hardy and thrive in any soil.
***Maximum Type**	Moon Penny Daisy	June-July	White	2 ft.	15c	1.50	
Larsoni (New)		June-Sept.	White	2 ft.	35c	3.50	
North Star		June-July	White	2½ ft.	15c	1.50	
CIMICIFUGA							Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October. The flowers which are white are produced on dense spikes on stems ranging from 2½ to 3 feet high. They succeed well in the shade.
Americana	Snake Root	Aug.-Sept.	White	2-3 ft.	20c	2.00	
Dahurica (New)		July-Sept.	Creamy White	3 ft.	35c	3.50	
Simplex (New)		Sept.-Oct.	White	3 ft.	50c	5.00	
CLEMATIS							Good for covering large rocks or tree stumps. Will thrive in any good place with deep soil. Sweet-scented and can be used as a cut flower.
Recta	Shrubby Clematis	June-July	Pure White	2½ ft.	25c	2.50	
COREOPSIS	Tickseed						One of the most popular hardy plants, the flowers a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes.
Lanceolata		May-Oct.	Yellow	2 ft.	15c	1.50	
Rosea		June-Sept.	Pink	1 ft.	15c	1.50	
DAISY (English)							Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded situation. By cutting off the faded flowers, the flowering season is prolonged and fresh flowers may be had all the Summer.
Mammoth Pink or White		All Summer	Pink or White	6 in.	10c	.60	
DAISY (Shasta)							Burbank's new semi-double is everblooming, with semi-double flowers, flowering throughout the whole season. Exceptionally fine for cutting.
Burbank's New Semi-Double		All Summer	White	2 ft.	50c	5.00	
***Shasta Improved**		May-Oct.	White	2 ft.	15c	1.50	

DELPHINIUM (Larkspur)



OLD-FASHIONED HARDY GRASS OR CLOVE PINK

DIGITALIS (Foxglove)

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
DELPHINIUM	Perennial Larkspur						Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color ranging from the palest lavender through every conceivable shade of blue to deep indigo. There is also a great variety in the size and form of their individual blooms, some are single, some semi-double and some perfectly double. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good deep rich soil will repay with larger and better flowers. Every three or four years they should be lifted and divided; this is best done in Spring. Delphiniums can be made to bloom for several months by continually cutting off the spikes immediately after they have done flowering.
Belladonna		May-Sept	Sky Blue	2 ft	25c	$2.50	
Capri	New		Sky Blue	3-4 ft	50c	5.00	
Chinense		June-Aug	Light Blue	3 ft	15c	1.50	
Album		June-Aug	White	3 ft	15c	1.50	
***Formosum**		July-Sept	Deep Blue White Eye	4 ft	15c	1.50	
Coelestinum	Pillar of Beauty	July-Sept	Sky Blue	3-4 ft	15c	1.50	
J. S. Brunton		June-Aug	Sky Blue	3-4 ft	35c	3.50	
***Kelway's Hybrids**		July-Aug	Mixed	3 ft	15c	1.50	
King of Delphiniums	New	July-Aug	Indigo Blue, White Eye	4 ft	35c	3.50	
Lize Van Veen	New	July-Aug	Sky-Blue	4 ft	50c	5.00	
Moerheimi	New	June-Oct	White	4-5 ft	50c	5.00	
Mrs. Thompson	New	July-Aug	Clear Blue, White Eye	3 ft	25c	2.50	
Persimmon	New	July-Aug	Sky Blue, White Eye	4 ft	50c	5.00	
Rev. E. Lascelles	New	July-Aug	Double Blue, White Center	4-5 ft	50c	5.00	
Sinense Cineraria Coeruleum	Spurless Larkspur	June-Aug	Dark Azure Blue	2-3 ft	20c	2.00	
DIANTHUS	Hardy Garden Pink.						These very desirable sweet-scented, low growing, early blooming and free flowering Hardy Garden Pinks are unequaled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation. We would especially call attention to our improved Napoleon III which although a mule pink produces large flowers on good long stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.
Abbotsford		May-June	Double Pink	12 in	20c	2.00	
Barbatus	Sweet William	June-July	Various	18 in	15c	1.50	
Diadenatus		June-July	Various	18 in	15c	1.50	
Diamond		May-June	Pure White	12 in	15c	1.50	
Gloriosa (New)		May-June	Bright Lilac Rose	12 in	25c	2.50	
Her Majesty		May-June	Pure White	12 in	15c	1.50	
Latifolius Atro-Coccineus plenus.		May-June	Fiery Crimson	15 in	15c	1.50	
Napoleon III Improved		May-Oct	Dark Red	2 ft.	25c	2.50	
Perfection		May-June	White, Crimson Center	12 in	20c	2.00	
Plumarius Cyclops		May-June	Mixed	15 in.	15c	1.50	
Double		May-June	Mixed	12 in	15c	1.50	
Queen Louise		May-June	White, Red Center	12 in	15c	1.50	
Semperflorens		May-June	Mixed, Double and Semi-Double	12 in	15c	1.50	
DICTAMNUS							An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
***Caucasicus**	Gas Plant	June-July	Rosy Pink	2½ ft	25c	2.50	
***Fraxinella**		June-July	Pink	3 ft.	15c	1.50	
Alba		June-July	Pure White	2½ ft	15c	1.50	
DIELYTRA							So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.
Spectabilis	Bleeding Heart	May-June.	Pink and White Heart Shaped	2 ft	15c	1.50	
DIGITALIS	Foxglove						This old-fashioned summer flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam.
Ambigua.		July-Aug	Yellow	3 ft.	15c	1.50	
Gloxiniaeflora		July-Aug	Pink, Purple or White	4 to 5 ft	15c	1.50	
Lanata		June-Aug.	Creamy White	2-3 ft.	15c	1.50	
DORONICUM							Blossoming very early in the season with stiff stems that render them suitable for cutting. Useful for naturalizing in woodlands. Damp, strong soil suits them best.
Caucasicum	Leopard's Bane	April-May	Bright Yellow	15 in	20c	2.00	
Excelsum		April-May	Yellow	18 in.	20c	2.00	
ECHINACEA	Giant Purple						A fine, strong-growing perennial with a distinct color, suitable for shrubbery and back of border. Requires deep, rich soil to obtain large flowers.
***Purpurea**	Cone Flower	June-July	Reddish Purple	3 ft.	15c	1.50	

Asplenium Felix-Foemina | Asplenium Angustifolium | Adiantum Pedatum | Aspidium Acrostichoides | Aspidium Cristatum

HARDY FERNS

A place for Hardy Ferns can be found in nearly every garden. They are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodlawn they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect for shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage, and plenty of water during dry periods.

Adiantum Pedatum (Maidenhair Fern) One of the daintiest and prettiest, grows about 1 foot high.
Asplenium Angustifolium (Spleenwort) A fine tall fern reaching 3 feet in good moist rich soil.
Asplenium Felix-Foemina (Lady Fern) Fine delicate fronds 1 to 3 feet in height, very hardy, will grow in the sun if soil is kept moist.
Aspidium Acrostichoides (Christmas Fern) An evergreen species, about 1 foot high, with deep green fronds.
Aspidium Cristatum This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide.
Aspidium Goldieanum One of the finest Aspidiums, frequently growing 4 feet high.
Aspidium Marginale Fronds 1 to 2 feet in length, 3 to 5 inches wide.
Aspidium Spinulosum (Wood Fern) A very pretty evergreen species about 15 inches high, with finely bisected fronds.
Aspidium Thelypteris Very variable, fronds are about 2 feet high and the pinnae long and narrow.
Onoclea Sensibilis (Sensitive Fern) 1 to 2 feet. Wet places, open or shade.
Onoclea Struthiopteris (Ostrich Fern) One of the most stately and best for cultivation; sometimes 4 feet high with handsome dark green fronds forming the outline of a vase.
Osmunda Claytoniana A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Any of the Above Hardy Ferns Each 15c; Doz. $1.50.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ECHINOPS							A stately plant for border or shrubbery with globular heads, which can be dried and put amongst grasses for a long time. Sandy loam or any good garden soil.
***Ritro**	Globe Thistle	July-Aug	Blue	3 to 4 ft	20c	$2.00	
***Sphaerocephalus**		July-Aug	Pale Blue	5 ft	20c	2.00	
EPIMEDIUM							Elegant dwarf plant with pretty ornamental foliage, especially suited to half-shaded position. For front of borders and permanent edgings; thriving in any soil.
Coccineum		May	Dark Crimson.	10-12 in	25c	2.50	
EREMURUS							Eremurus are majestic tuberous rooted plants and when in flower are ornaments in the garden. The flowers which are borne on tall spikes 8 to 10 ft. in height are closely arranged and form a perfect column of flowers.
Himalaicus		May-June	White	8 ft	75c	7.50	
Robustus		May-June	Soft Rose	8-10 ft	75c	7.50	
ERIANTHUS	See Grasses						
ERYNGIUM							These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.
Giganteum	Sea Holly	July-Sept	White	3 ft	20c	2.00	
Oliverianum		July-Sept	Steel Blue.	3 ft	20c	2.00	
Planum		July-Sept	Pale Blue	3 ft	15c	1.50	
EULALIA	See Grasses						
EUPATORIUM	Thorough Wort						Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads, ordinary garden soil suits them.
***Ageratoides**		Sept.-Oct	White	3 ft	15c	1.50	
***Coelestinum**		Sept.-Oct	Light Blue	2 ft	15c	1.50	
Frazeri		Sept.-Oct	White	1½ ft	15c	1.50	
***Purpureum**	Joe Pye Weed	Aug.-Oct	Purple.	3-4 ft	15c	1.50	
EUPHORBIA							A native plant grown for its minute white flowers, which have a distinct green eye. Good for cutting; grows in any soil with open position.
***Corollata**	Flowering Spurge	June-Aug	White	1½ ft	15c	1.50	
FUNKIA	Day Lily						Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.
Cucullata Medio Picta		August	Purple	1 ft	25c	2.50	
Fortunei		August	White and Lilac.		25c	2.50	
***Lancifolia**		August	Dark Blue	1 ft	15c	1.50	
Subcordata Grandiflora Alba		Aug.-Sept	Pure White	1½ ft	25c	2.50	
Thomas Hogg		Aug.-Sept	Rosy Purple.		50c	5.00	
Undulata Medio Variegata		May-June	Purple, Var. Foliage.	1 ft	15c	1.50	
GAILLARDIA	Blanket Flower						Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
Grandiflora		June-Oct	Orange Red, Brown and Crimson	1½ ft	15c	1.50	

GAILLARDIA

GYPSOPHILA PANICULATA FL. PL.

HEMEROCALLIS

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
GENTIANA	Gentian						Plant in a permanent position where plants will not be disturbed; moist soil and good drainage; fine for rockwork; or borders.
Clusii	Closed Gentian	Aug.-Oct.	Deep Blue	12 in.	15c	$1.50	
GERBERA	Transvaal Daisy						Beautiful daisy-like flowers of various colors mostly red, borne on stalks 2-2½ feet long, requires a well drained soil and some protection in winter.
Hybrids		June-Oct.	Various	2 ft.	25c	2.50	
GERANIUM	Crane's Bill						Good early Summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.
Grandiflorum		May-July	Violet-Blue	15 in.	25c	2.50	
Sanguineum		May-July	Crimson	12 in.	20c	2.00	
Album		May-July	White	1 ft.	20c	2.00	
GEUM	Avens						Useful plants for well-drained ground and rock gardens good border plants, showy on account of their bright colors.
Atrosanguineum Fl. Pl.		May-Sept.	Brilliant Scarlet	18 in.	20c	2.00	
Heldreichi		May-Sept.	Orange	18 in.	15c	1.50	
Splendens		May-Sept.	Orange Yellow	18 in.	15c	1.50	
GLECHOMA or Nepeta	Variegated Ground Ivy		Variegated Foliage	3 in.	15c	1.50	A useful plant for hanging baskets, growing over rocks and window boxes; foliage white and green; grows in any good soil.
GRASSES	For Foliage only						Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn. The Erianthus or hardy pampas grass is the tallest grower frequently reaching 10 feet high. The Eulalias are very pretty and graceful; Univittata being green with a white midrib; the Japonica Variegata is a beautiful variegated form and is the best of the variegated kinds. Japonica Zebrina, the Zebra grass, has broad yellow horizontal bands. The Variegated ribbon grass is an old favorite and is often used for border work or naturalizing in the wild garden.
***Erianthus Ravennae**	Hardy Pampas		Narrow Green	10 ft.	25c	2.50	
***Eulalia Gracillima Univittata**			Silver White Midrib	3-4 ft.	15c	1.50	
***Eulalia Gracillima Japonica Variegata**	Japan Rush		Green and White, Pink and Yellow	4 ft.	20c	2.00	
***Eulalia Japonica Zebrina**	Zebra Grass		Broad Yellow Bands	5 ft.	25c	2.50	
Festuca Glauca	Blue Fescue Grass		Blue Foliage	1 ft.	15c	1.50	
***Phalaris Arundinacea Variegata**	Gardener's Garters or Ribbon Grass		Variegated	18 in.	10c	1.00	
GYPSOPHILA							The double form is especially desirable and as a cut flower is becoming very popular.
Paniculata	Baby's Breath	July-Aug.	White	1½ ft.	15c	1.50	
Flore Pleno		July-Aug.	Double White	3 ft.	25c	2.50	Repens monstrosa is a dwarf variety and is suitable for rock-work or the front of the hardy border.
Repens Monstrosa		July	White	1½ ft.	20c	2.00	
HELENIUM	Sneezewort.						Blooming for a long period, are amongst the best or hardy flowers, affording a good quantity of cut-flowers which last a long while, they are worthy of extensive planting; and thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
***Autumnale Superbum**		Sept.-Oct.	Deep Yellow	6 ft.	15c	1.50	
***Rubrum**		Sept.-Oct.	Red	6 ft.	15c	1.50	
Hoopesi		June-Sept.	Bright Orange	2 ft.	15c	1.50	
Riverton Beauty		Aug.-Oct.	Lemon Yellow, Black Cone	3 ft.	20c	2.00	
Riverton Gem		Aug.-Oct.	Old Gold and Terra Cotta	3 ft.	20c	2.00	
HELIANTHUS	Hardy Sunflower						Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands. All varieties are single flowering, except Multiflorus Plenus and Rigidus Semi-pl.
***Divaricatus**		Aug.-Oct.	Yellow	2-3 ft.	15c	1.50	
***Maximiliana**		Sept.-Oct.	Yellow	5 ft.	15c	1.50	
***Miss Mellish**		Sept.-Oct.	Golden Yellow	6 ft.	15c	1.50	
***Multiflorus Maximus**		Aug.-Oct.	Golden Yellow	5-6 ft.	15c	1.50	
***Plenus**	Dahlia Sunflower	Aug.-Sept.	Double Yellow	5 ft.	15c	1.50	
***Rigidus Semi-pl**		Aug.-Sept.	Orange Yellow	5 ft.	15c	1.50	
***Ligeri**		July-Sept.	Golden Yellow	5-7 ft.	15c	1.50	
***Sparsifolius**		Aug.-Oct.	Deep Yellow	6-8 ft.	15c	1.50	
HELIOPSIS	Orange Sunflower						Similar to Helianthus in habit, but more dwarf and sturdy; a fine cut-flower; requires good, deep soil.
Pitcherianus		June-Aug.	Orange Yellow	5 ft.	10c	1.00	
Scabra Major		June-Aug.	Orange	5 ft.	10c	1.00	
HEMEROCALLIS	Yellow Day Lily						The Day Lillies grow anywhere in either partial shade or full sun. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with German Iris they are very effective. Require good soil to get the best results. Hardy Perennials are the most satisfactory of all flowers because of their permanent character and the naturalness of their beauty.
Aurantiaca		June-July	Orange Yellow	2-3 ft.	25c	2.50	
Aureole		June-July	Crimson	2 ft.	50c	5.00	
Citrina		June-July	Lemon Yellow	4 ft.	75c	....	
Dr. Regel		June-July	Rich Apricot	2½ ft.	50c	5.00	
Dumortieri		June-July	Rich Yellow	2 ft.	10c	1.00	
***Flava**		July-Aug.	Yellow	3 ft.	15c	1.50	
Florham		July-Aug.	Rich Yellow	3 ft.	25c	2.50	
***Fulva**		June-July	Coppery-Orange	3½ ft.	10c	1.00	
***Kwanso Fl. Pl.**		June-July	Double Orange	3½ ft.	10c	1.00	
Sovereign		July	Soft Chrome Yellow	2½ ft.	25c	2.50	

JAPANESE IRIS

SIBERIAN IRIS (Yale Blue)

GERMAN IRIS

(Fleur-de-Lis or Flag Iris) German Iris are all sun-lovers and delight in a well drained situation. They almost outrival the Orchid in delicacy and richness of coloring. They are splendid for beds, border or front of shrubbery. Plant in bold groups for best effect. Avoid planting too deep, barely covering the rhizomes (creeping root stems) being quite sufficient.

GERMAN IRIS

☞ "S" refers to the three standard, or upright curling petals; "F" to three falls or drooping petals.

Bridesmaid "S" White, shaded silvery lilac. "F" Reticulated at the base and slightly frilled soft lilac.
Celeste Fine satiny blue. This is one of the most beautiful Iris.
Charles Dickens "S" Blue. "F" Dark blue, suffused dark purple.
Clio "S" Lavender, shaded white. "F" Rich purple, edged white, a striking contrast. **Each 25c; doz. $2.50.**
Darius "S" Lemon yellow. "F" Purple, bleaching on edge and top to pale yellow, large; 30 inches.
Gracchus "S" Yellow. "F" Crimson reticulated white; 18 inches.
Hector "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.
King of Iris "S" Lemon yellow. "F" Deep brown and yellow. **Each 50c; doz. $5.00.**
Mme. Chereau The prettiest and tallest of all. "S" and "F" White, daintily edged with porcelain blue; 30 inches.
Maori King "S" Golden yellow. "F" Velvet crimson-edged yellow; 14 inches.
Mars "S" Light yellow. "F" Pale yellow with violet blotches and veins.
Mrs. H. Darwin "S" Clear waxy white. "F" White with violet veins.
Pallida Dalmatica The largest and most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. Valuable as a cut-flower. **Each 25c; doz. $2.50.**
Penelope "S" Pure white. "F" White, veined purple, crested yellow.
Pharaon Lilac; very fine.
Queen of May "S" Lilac pink. "F" Lilac, blended with white; distinct.
Sambucina "S" Coppery rose. "F" Rosy purple with orange crest; 30 inches.
Sans Souci "S" Golden yellow. "F" Yellow veined with crimson brown.
Sir Walter Scott "S" Bronzy yellow. "F" Rich crimson brown; 30 inches.
Trautlieb Of purest clear rose, shading to white towards the center.
Venus "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.
German Iris Mixed. **Each 10c; doz. $1.00; per 100 $5.00; 1000 $45.00.**

PRICE: (Except where noted) Each 15c; doz $1.50; per 100 $8.00; 1000 $75.00

JAPAN IRIS

Iris Kaempferi A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps, succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris, which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter. Our collection consists of the very choicest.

Blue Jay Fine azure blue, freely mottled.
Crystal Double pale violet.
Dinah Double reddish pink, flaked white.
Eclaire Largest white
Mt. Hood Light blue, shaded dark.
Norane Single blue, with lighter stripes.
Norma Very deep lavender, double.
Oriole Deep amaranth, yellow center.
Paragon Rich velvety purple; center marked with orange; very distinct.
Princess Clothilde Double, light blue.
Pyramid Violet-blue, veined white.
Spotted Beauty Large size, double, silky white, freely and finely spotted with violet crimson.
Topaz Light rose; single.
Tortoise Magenta, dotted and flaked with white.
Victor Violet purple with white veins.

Any of above, each 25c; dozen $2.50. The set of 15 varieties $3.00. Mixed Varieties. Each 15c; dozen $1.50, per 100 $12.00.

SIBERICA ORIENTALIS ("Yale Blue")

Strong, free-growing Iris, adapting itself to almost any position, and producing a mass of deep blue flowers under the most adverse conditions from June to August.

Each 15c; doz. $1.50.

SIBERICA SNOW QUEEN

Beautiful New Variety

Snow-white flowers borne on strong, erect stems

Each 25c; doz. $2.50.

PUMILA HYBRIDA

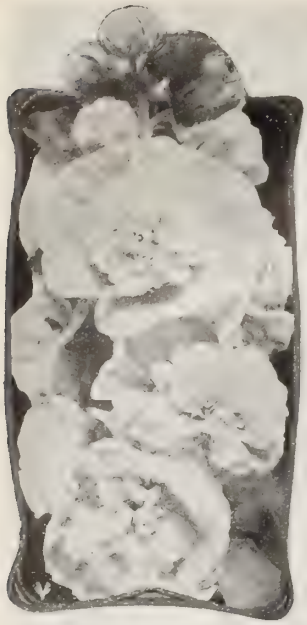
Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris.
Cyanea Rich royal purple with black shading.
Florida Beautiful lemon yellow shaded darker.
Each 15c; doz. $1.25; per 100 $8.00.

COLLECTION GERMAN IRIS No. 912

One each of 12 distinct sorts, our selection, for $1.00, not prepaid.

COLLECTION JAPAN IRIS No. 922

One each of 8 distinct sorts, our selection, for $1.00, not prepaid.



DOUBLE HOLLYHOCK

LILY OF THE VALLEY

LATHYRUS (Everlasting Pea)

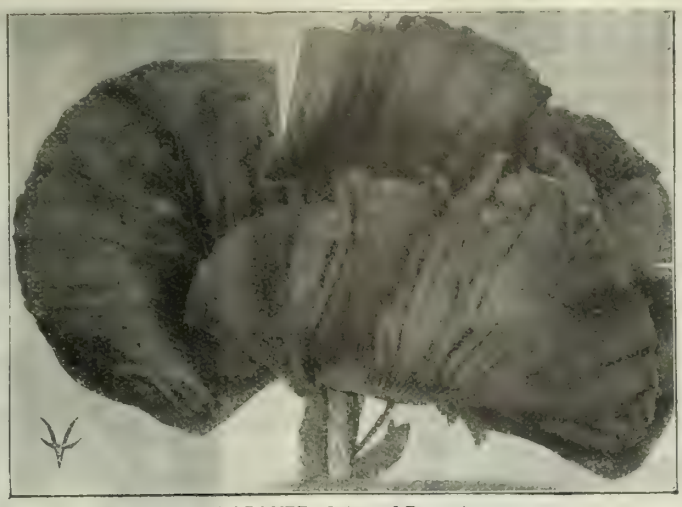
HOLLYHOCKS

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of colors. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.

	Each	Doz.	100.
Double White, Pink, Red or Yellow	20c	$2.00	$12.00
Double Mixed	15c	1.50	10.00
Allegheny Mixed, semi-double and single	20c	$2.00	$12.00
Old-Fashioned Single, mixed	15c	$1.50	

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
HEUCHERA	Alum Root						They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting. Flambeau and Pluie de Feu are new European varieties, which we can with confidence recommend.
Briziodes Gracillima		May-June	Rosy Carmine	2 ft.	20c	$2.00	
Flambeau (New)		June	Brilliant Rose	2 ft.	35c	3.50	
Pluie de Feu (New)		June	Scarlet	2 ft.	35c	3.50	
Sanguinea		June	Scarlet	1½ ft.	15c	1.50	
HIBISCUS	Mallow						Tall growing, stately plants for the back of borders also can be used as a hedge. They are prized on account of their colors which are very uncommon. Thriving in any soil; should find a place in every hardy garden. The Mallow Marvels are new hybrids with immense flowers and gorgeous coloring, very attractive.
***Crimson Eye**		Sept.-Oct.	Pure White, Crimson Center	4 ft.	15c	1.25	
Mallow Marvels		July-Sept.	Mixed Colors	6 ft.	35c	3.50	
***Moscheutos**		Sept.-Oct.	Soft Pink	5 ft.	15c	1.25	
IBERIS	Hardy Candytuft						Dwarf evergreen plants covered with blooms in Spring and during early Summer. Little Gem is especially suited to border and rockwork. Gibraltarica is fine for edging shrubbery or borders and will thrive in any good soil.
Gibraltarica		April-May	Lilac Mauve	12 in.	15c	1.50	
Little Gem		April-May	Small White	6 in.	20c	2.00	
Sempervirens		April-May	White	10 in.	15c	1.50	
INCARVILLEA	Hardy Gloxinia						One of the greatest novelties of the century. A lovely new Chinese plant for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in deep, rich soil.
Delavayi		May-July	Rose Colored	2 ft.	20c	2.00	
Grandiflora		May-July	Crimson	1 ft.	20c	2.00	
INULA	Flea Bane						Showy and highly decorative plants. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation. They will thrive in any ordinary garden soil.
Ensifolia		May-Aug.	Bright Yellow	12 in.	15c	1.50	
Glandulosa Grandiflora		June-Aug.	Yellow	2½ ft.	20c	2.00	
Hookeri		June-Oct.	Yellow	2 ft.	15c	1.50	
LATHYRUS	Hardy Flowering Pea						The everlasting Pea, effective and easily grown, forms a very decorative object when trained over old tree stumps, banks, pyramids, or forming floral screens. They are good cut-flowers with strong, wiry stems, requiring deep, rich soil, their roots extending to a great depth.
Latifolius Albus		June-Aug.	White	4-5 ft.	15c	1.50	
Pink Beauty		June-Aug.	Pink	4-5 ft.	15c	1.50	
Rubra		June-Aug.	Red	5-6 ft.	15c	1.50	
White Pearl (New)		June-Aug.	Pure White	4-5 ft.	25c	2.50	
LAVENDULA Vera	Lavender	June-Aug.	Blue		15c	1.50	Delightfully fragrant flower, much used when dry on account of its sweet odor. We offer the true variety.
LIATRIS	Blazing Star or Gay Feather						Carrying feathery flower spikes; are effective border plants thriving at the margin of streams or in the open border. They commence to flower at the top of spike and so on downward; very effective.
Pycnostachya		July-Sept.	Rosy Purple	3 ft.	15c	1.50	
Spicata		July-Sept.	Deep Purple	5 ft.	15c	1.50	
LILY OF THE VALLEY Clumps		May-June	White	8 in.	30c	3.00	Good for shade and under trees.
LINUM	Flax						A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire Summer if cut down after the first blooming.
Flavum		June-Sept.	Yellow	1 ft.	15c	1.50	
Perenne		June-Sept.	Sky-Blue	1½ ft.	15c	1.50	
LOBELIA	Cardinal Flower						Deep, rich, moist soil is best. For the margins of ponds or damp border.
Cardinalis		July-Sept.	Fiery Scarlet	2 ft.	15c	1.50	

MERTENSIA (Blue Bells)



PAPAVER (Oriental Poppy)

MONARDA (Oswego Tea)

To obtain best results these hardy perennials or "Old-Fashioned" flowers as they are generally known, should be planted in masses or large clumps. This is particularly true of Gaillardia, Iris, Helenium, Asters, Boltonias, Monarda, Larkspur, etc.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
LUPINUS	Lupine						Effective plants producing when established large spikes of flowers. They should be planted in well prepared garden soil and well watered during a period of dry weather.
Polyphyllus		May-June	Blue	3 ft	15c	$1.50	
Albus		May-June	White	3 ft	15c	1.50	
Moerheimi (New)		May-June	Pink and White	3 ft	25c	2.50	
Roseus		May-June	Pink	3 ft	25c	2.50	
LYCHNIS	Campion						Highly ornamental plants for Summer, the taller kinds being valued for cut flowers and border plants; the dwarfer varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position.
Chalcedonica		June-Sept	Orange Scarlet	2-3 ft.	15c	1.50	
Flore Plena		July-Sept	Double Scarlet	2 ft	25c	2.50	
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft	15c	1.50	
Sieboldi		June-July	White	1 ft	15c	1.50	
Vespertina Alba Fl. Pl.		June-Sept	Double White	1½ ft	20c	2.00	
Viscaria	Catch Fly	June-July	Crimson	1 ft	15c	1.50	
Flore Pleno	Double Catch Fly	June-July	Crimson	1 ft	15c	1.50	
LYSIMACHIA							Effective in clumps or wild garden. Requires a moist situation. Nummularia is fine for banks, vases, beds, stumps or rockeries and can be used in hanging baskets.
Clethroides	Loose Strife	July-Sept	White	2 ft	15c	1.50	
Nummularia	Creeping Jenny	June-Aug	Yellow	4 in	10c	1.00	
LYTHRUM	Black Blood						Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits them.
Roseum Superbum		May-Sept	Reddish Purple	3 ft	15c	1.50	
MERTENSIA	Blue Bells or Virginian						A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
Virginica	Cowslip	May-June	Light Blue	18 in	15c	1.50	
MINT	Old Fashioned				15c	1.50	An old favorite, will grow anywhere.
MONARDA	Oswego Tea or						Fine for naturalizing in woods and shrubbery, bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
***Didyma**	Bee Balm	June-Sept	Brilliant Scarlet	2 ft	15c	1.50	
Cambridge Scarlet		June-Sept	Brilliant Scarlet	2 ft	20c	2.00	
Hybrids		June-Sept	Mixed	2 ft	15c	1.50	
MYOSOTIS Palustris							The true Forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground.
Semperflorens	Forget-me-not	May-Aug	Blue	6 in	10c	1.00	
OENOTHERA	Evening Primrose						Showy and easily grown in all soils, useful in wild garden and border; makes good plants for front of border.
Speciosa Rosea		May-Aug	Rose	18 in	15c	1.50	
Youngei		May-Aug	Golden Yellow	2 ft	15c	1.50	
OLD MAN	See Artemisia				15c	1.50	
PAPAVER	Oriental Poppy						For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suit them best. We offer only the finest varieties of tried merit. Iceland Poppies are very free and delicate and much admired for the front row of border.
Goliath		June-July	Scarlet	3½ ft	25c	2.50	
Mahoney		June-July	Deep Maroon	3 ft	25c	2.50	
Masterpiece		June-July	Salmon pink	3 ft	25c	2.50	
Mary Studholme		June-July	Salmon	3 ft	25c	2.50	
Royal Scarlet		June-July	Scarlet Black Cen.	3 ft	15c	1.50	
Oriental King		June-July	Crimson Scarlet	3 ft	25c	2.50	
Princess Victoria Louise		June-July	Soft Lilac Rose	3 ft	25c	2.50	
Rembrandt		June-July	Orange Salmon	3 ft	25c	2.50	
Silver Queen		June-July	Silvery White	3 ft	25c	2.50	
Nudicaule	Iceland Poppy	June-Oct	White, Yellow and Scarlet	1 ft	15c	1.50	
PELTARIA							Evergreen foliage of small growth, fine for planting in borders and rockeries. A desirable cut flower.
***Alliacea**		June	White	1 ft	15c	1.50	
PENTSTEMON	Beard's Tongue						These graceful plants bearing long spikes of flowers — are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
Barbatus Torreyi		June-Aug	Brilliant Scarlet	3 ft	15c	1.50	
Digitalis		June-July	Purple White	2 ft	15c	1.50	
PHALARIS	See Grasses						
PHYSOSTEGIA	False Dragon Head						Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
***Virginica**		June-Sept	Soft Pink	3-4 ft.	15c	1.50	
Alba		June-Sept	Pure White	3-4 ft.	15c	1.50	
***Speciosa**			Delicate Pink		15c	1.50	

PEONIES

Once planted they will last a lifetime.

Cultural Directions are sent with every order for Peonies

There is no hardy perennial which equals the Peony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with age. They are as hardy as oaks and as handsome (many as fragrant) as roses. When the plants are through blooming they are as handsome and ornamental as most of the hardy shrubs. The plants are practically immune from insects. We would advise our customers to **beware of "cheap" Peonies.** An inferior variety will take as much care and space as a choice one, and the first cost of a Peony is nothing compared to the disappointment after years of waiting.

Planting. An important point to observe is not to plant too deeply. The roots should be placed so that the crowns (or eyes) are covered with two or three inches of soil. Planting too deep is often the cause of shy blooming.

Plant with southwest or west exposure.

Plant as early as possible in the spring as they sprout very quickly. We cannot take orders for roots after May 10th on that account.

Small—divided roots, 3-5 eyes.

Medium—1 and 2 years from division.

Large—4 and 5 year old clumps.

FESTIVA MAXIMA (The best known white Peony)

WHITE AND LIGHT SORTS

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Canari Guard petals flesh, yellow center. A very desirable and pleasing variety	$0.40	$4.00	$0.60	$6.00	....
Carnea Elegans Clear flesh color, broad petals, perfect shaped flower, with glossy reflex	.40	4.00	.60	6.00	....
Charlemagne lilac white with a slight blush center, fragrant, medium height, free bloomer, late	.35	3.50	.50	5.00	....
Couronne d'Or Snow-white, yellow reflex. Very large. Ball-shaped imbricated flower. Splendid cut flower sort. Late	.50	5.00	.75	7.50	$2.00
Duchess de Nemours (Calot) Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Late.	.35	3.50	.60	6.00	1.50
Festiva Maxima The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet. Early	.35	3.50	.60	6.00	1.25
Jeanne d'Arc Soft pink; center sulphur white. Very fragrant. This is one of the most desirable of the light colored Peonies, being very free and a vigorous grower. Similar but better than Golden Harvest	.40	4.00	.60	....	....
La Tulipe Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late	.40	4.00	.60	6.00	....
Madam Breon Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems; fragrant	.40	4.00	.60	6.00	1.25
Madame Crousse Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together, this is, in our estimation, the best of all the White Peonies	.85	8.50	1.25	12.00	....
Madame de Verneville Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable of the White Peonies for all purposes	.40	4.00	.65	6.50	....
M. Dupont One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer	.75	7.50	1.25	12.00	....
Nivea Plenissima White, slightly shaded yellow	.40	4.00	....	....	....
Pottsii Alba Delicate flesh deepening to pink towards center, profuse bloomer, immense globular flower, tall grower	.40	4.00	....	....	..
Queen Victoria guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason	.30	3.00	.45	4.50	....
Triumphans Gandavensis Pinkish white, tinted chamois; dwarf habit. Very pretty for bedding	.50	5.00	.75	7.50	....

LIGHT AND DARK PINK AND ROSE

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Dorchester (Richardson's) A most beautiful soft pink of fine form, dwarf grower	.50	5.00	....	....	..
Duchess de Nemours (Guerin) Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety	.40	4.00	.70	7.00	1.25
Edulis Superba Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks	.30	3.00	....	..	..
Faust Guard petals and crown pink fading to lilac white, collar of narrow sulphur-white petals, midseason	.35	3.50	....	....	..
Floral Treasure Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms	.35	3.50	....	....	.
Kohinoor Shell pink, very free, splendid cut flower sort, midseason	.30	3.00	....	....	

LIGHT AND DARK PINK AND ROSE—Continued

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Lady Leonora Bramwell Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort	.30	3.00	.60	6.00	....
Madame Bollet Color rose, with silvery reflex. Very large and double. Late	.60	6.00		..	....
Madame de Vatry Guard petal flesh, center sulphur white, with carmine stripes. Very large flowers; of dwarf habit. An excellent cut-flower variety and fine for bedding. Late mid-season	.60	6.00	1.00	10.00	..
Madame Geissler Silvery pink, shading to rose at base of petals. Immense flower; imbricated and borne on strong stems. Late	.50	5.00	.		..
Madame Muyssart One of the best and largest of the pink sorts; extra choice. Late	.40	4.00	.		.
Mathilde Mechin French pink, mixed with small salmon petals. Bright Anemone, ball-shaped flowers of perfect build. Extra fine.	.60	6.00	.80	8.00	$1.50
M. Boucharlet Bright pink. Of medium size and excellent form. A good grower and of compact habit. Valuable lawn sort. Mid-season	.45	4.50	.65	6.50	....
Mons. Chas. Leveque Color delicate rose	.40	4.00	....	....	1.25
M. Jules Elie Immense light silvery pink, very large guard petals and high dome like center, early	.85	8.50	.	.	..
Pulcherrima Outside petals flesh, center pink. Very large and borne on long, strong stems	.35	3.50		....	1.50
Sappho Mauve with silvery reflex, tall, vigorous, free bloomer. Mid-season	.35	3.50	.	.	..

RED AND CRIMSON SORTS

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Adolphe Rousseau Dark amaranth with yellow stamens. Tall and fine, early	.30	3.00	.50	5.00	....
Augustin D'Hour Dark brilliant red, slight silvery reflex, medium height, free bloomer. Mid-season	.40	4.00	.	..	....
Felix Crousse One of the best red sorts. Large double-ball shaped flower; a free bloomer. Very desirable. Late mid-season.	.60	6.00	1.00	10.00	..
Lee's Grandiflora Rubra Rich red, resembling American Beauty Rose, of enormous size and long stem. One of the latest and best	.40	4.00	.65	6.50	...
Meissionier Broad outer petals brilliant purple amaranth, inner petals crimson, free bloomer	.35	3.50			.
Modeste Guerin Bright carmine rose, bomb shape, very full, fragrant, free bloomer. Mid-season	.40	4.00	.60	6.00	1.25
M. du Ribert Color rose magenta, loose bloom, sweetly scented. Late. Height, medium			.40	4.00	. .
Officinalis Rubra Plena This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower	.30	3.00	.60	6.00	....
Richardson's Rubra Superb Rich, deep crimson; latest of all. Very sweet	.30	3.00	.60	6.00	....
Mixed all Colors (Double)	.20	2.00	.30	3.00	75c&$1

SINGLE PEONIES

Single Crimson, small, **each 50c**

Single Pink, small, **each 50c.**

Single White, small, **each 50c.**

TREE PEONIES

Japanese Tree 3 year old plants. **Each, $1.50; per doz. $15.00.**

HARDY PHLOX

The beauty and usefulness of these grand border plants give them a deservedly first place among the hardy plants. The best effects to be had with Phlox are produced by planting masses of each color. A very wide range of color is now to be had and planting them in this manner, the Phlox will be the pride of the garden.

They succeed in almost any soil enriched with manure, but are much benefited by a mulching of well rotted manure in spring, and in hot weather an occasional soaking of water.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1)	Early	(D)	Dwarf
(2)	Midseason	(M)	Medium
(3)	Late	(T)	Tall

The following prices are for one year field grown plants:

	Each	Doz
Antonin Mercie (M 2) A beautiful grayish lilac with white center	$0.20	$2.00
Baron Von Dedem (T 2) Blood-red scarlet with immense trusses and individual flowers	.20	2.00
Beranger (D1) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye	.15	1.50
Bridesmaid (D 2) Pure white, large crimson-carmine eye	.15	1.50
Clara Benz (D 2) Brilliant carmine-rose	.15	1.50
Coquelicot (T 2) A fine orange scarlet with crimson eye	.15	1.50
Eclaireur (T 3) Brilliant rosy magenta with lighter halo	.15	1.50
Elizabeth Campbell (D 2) New. Bright salmon pink with lighter shadings and dark crimson eye	.25	2.50
Eugene Danzanvilliers (D 1) Soft lilac blue with large white center, free and continuous bloomer	.20	2.00
Flora Hornung (D 2) Milk-white with carmine eye	.20	2.00
Frau Ant. Buchner (M 2) Pure white. Undoubtedly the finest white yet raised. Strong habit	.25	2.50
Fraulein Von Lassburg (T 2) The purest snow-white in cultivation. Extra fine	.25	2.50
G. A. Strohlein (M 2) Glowing orange scarlet with blood-red eye. Immense heads	.20	2.00
General Von Heutz (T 2) Brilliant salmon red with white center. Very large heads; free bloomer	.20	2.00
Goliath (T 1) New. Bright carmine with dark red center	.25	2.50
Gruppen Koenigin (M 2) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting	.20	2.00
Jeanne d'Arc (T 3) Pure white	.15	1.50
Jules Cambon (M 2) Brilliant reddish purple with very large pure white center	.20	2.00
L'Aiglon (T 1) One of the best of the deep rose-colored varities; bright carmine eye	.20	2.00
Mme. Paul Dutrie (M 1) Soft pink, suffused white	.20	2.00
Miss Lingard (T 1) Pure white; the earliest of all. Blooms all summer; good for cut flowers	.15	1.50
Mrs. Arthur Baker (M 2) Fine salmon; very distinct	.20	2.00
Pantheon (T 2) Deep salmon rose, very fine	.20	2.00
R. P. Struthers (T 2) Rosy carmine with claret eye	.20	2.00
Rosenberg (M 2) New. Bright reddish violet with blood-red eye; individual flowers large	.25	2.50
Selma (T 2) Large trusses of very large pink flowers with cherry-red eye; choice	.20	2.00
Snowbird (M 2) New. Pure white with a faint pink eye, violet markings on the reverse side of the flower; large individual flowers and a strong grower	.25	2.50
Sigrid Arnoldson (T 2) Fiery carmine red with dark center; extra fine	.20	2.00
Tapis Blanc (D 1) Pure white; immense heads. The best dwarf Phlox in cultivation	.25	2.50
Von Hochberg (M 3) The ideal crimson. The richest of its color	.20	2.00
Von Goethe (M 2) Pure clear pink with white eye	.20	2.00

PHLOX COLLECTIONS

No. 12.—One each of 20 varieties, our selection from above. All distinct; labelled for $2.50 by express, not prepaid.

No. 22.—One each of 10 varieties, our selection from above. All distinct; labelled for $1.50 by express, not prepaid.

No. 32—One of each of the above 31 varieties labelled for $3.75 by express not prepaid.

DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena Bright pink; May to June; height 6 inches. **Each 10c; doz. $1.00.**

Divaricata Laphami (New). A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each 20c; dozen $2.00.**

Subulata Alba A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each 15c; doz. $1.50.**

Subulata Rosea Same as above but with dainty rose pink flowers. **Each 10c; doz. $1.00.**

Botanical Name	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
PLATYCODON	Balloon Flower						Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Grandiflora		May-Sept.	Deep Blue	18 in.	15c	$1.50	
Alba		May-Sept.	White	18 in.	15c	1.50	
Mariesi		May-Sept.	Violet Blue	12 in.	15c	1.50	
Alba		May-Sept.	White	12 in.	15c	1.50	
PLUMBAGO	Leadwort						One of the best dwarf Perennials. The flowers of deep blue are borne in great profusion throughout the fall months.
Larpentae		Sept.	Deep Blue	1 ft.	15c	1.50	
POLEMONIUM	Jacob's Ladder						Very useful border plants with deep green fine cut foliage and showy spikes of blue and white flowers.
Himalaicum		June	Blue	2 ft.	15c	1.50	
Album		June	White	2 ft.	15c	1.50	
POTENTILLA	Cinquefoil						Valuable for massing in borders and for cut flowers. They require light, deep, loamy soil with exposed position.
Atrosanguinea		June-Aug.	Brilliant Scarlet	18 in.	15c	1.50	
Formosa		June-Aug	Rosy Red	18 in.	15c	1.50	
Hybrida		June-Aug.	Mixed	18 in.	15c	1.50	
Toussaint L'Ouverture		June-July	Double Scarlet	18 in.	20c	2.00	
PRIMULA	Hardy Primrose						These favorite early Spring flowering plants of dwarf habit are not as well known as they should be. They are invaluable for planting in partial shade borders in masses or as a border to bulb beds. They are useful for forcing under glass, making nice pot plants. Can be used with advantage for naturalizing in woods. They like leaf-soil, old decayed manure and light soil and a cool, moist situation.
Sieboldi Atlas		May-June	Rosy Pink	8 in.	20c	2.00	
Princess Beatrice		May-June	White	8 in.	20c	2.00	
Sirius		May-June	Scarlet	8 in	20c	2.00	
Veris Grandiflora		May-June	Yellow	10 in.	15c	1.50	

PLATYCODON

RUDBECKIA (Purpurea Grandifl.)

RUDBECKIA (Golden Ray)

PYRETHRUM

The Pyrethrum in May and June occupies a similiar position to that held by the 'Mum in Oct. and Nov. Their flowers are large, of elegant form and are produced in great profusion. Their color range is from pure white to richest crimson. As a cut flower for vases or table decoration they are of the greatest value, lasting in water longer than almost any other flower.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
PYRETHRUM							Too much cannot be said in favor of the Hybrid Pyrethrums, which bloom in May and June and are sometimes called Spring flowering Chrysanthemums. They are not so well known as they should be for they are one of our best Spring flowering Perennials, being of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color ranging from pure white to the most intense scarlet and crimson and are perfectly hardy delighting in a cool moist soil. During the dry periods they ought to be copiously watered. If the dead flower stalks are cut off immediately they are through flowering a second crop of flowers will usually result during the cool fall months.
Alfred Kelway		June	Double Crimson	18 in.	30c	$3.00	
Aphrodite		June	Double White	18 in.	40c	4.00	
Carl Vogt		May-June	Double White		40c	4.00	
James Kelway		June	Single Scarlet	18 in.	40c	4.00	
Lord Rosebery		June	Double Carmine	18 in.	40c	4.00	
Kelway's Hybrids		June	Mixed	18 in.	15c	1.50	
Ne Plus Ultra			Double Flesh Color	18 in.	40c	4.00	
Princess de Metternich		June	Double White	18 in.	40c	4.00	
Virgo			Double Sulphur White	18 in.	40c	4.00	
Yvonne Cayeaux		June	Double White	18 in.	40c	4.00	
***Uliginosum**	Giant Daisy	Sept.-Oct.	White	5 ft.	15c	1.50	
RANUNCULUS	Fair Maids of France						Fine subject for the hardy border, and for cut flowers. Plant in semi-shade.
Aconitifolius Fl. Pl.		May-June	White	2 ft.	20c	2.00	
ROSMARINUS							Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
Officinalis	Rosemary		Lavender	2 ft.	15c	1.50	
RUDBECKIA	Cone Flower						The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. Any good garden soil suits them. Golden Ray is an improved Golden Glow, and worthy of a place in any garden, the flowers are of the richest golden yellow, and when fully open, form a most beatuiful rosette. A large vase of cut flowers of this variety is very attractive. R. Newmanni differs from the other varieties in being very dwarf and showing the black cone (or disc) more conspicuously. When massed, it produces a grand effect, while for half shady places under trees, it is of great decorative value.
***Laciniata fl. pl. Golden Glow**		July-Oct.	Yellow	5-7 ft.	15c	1.50	
***Golden Ray**	New	July-Oct.	Golden Yellow	6 ft.	20c	2.00	
***Maxima**		June-Sept.	Bright Yellow	6 ft.	15c	1.50	
***Newmanni**		June-Sept.	Orange Blk. Cone	2 ft.	15c	1.50	
***Nitida "Fall Sun"**	New	Sept.-Oct.	Golden Yellow	6 ft.	20c	2.00	
***Purpurea**	Purple Cone Flower	July-Sept.	Reddish Purple	3 ft.	15c	1.50	
***Grandiflora** (New)	Giant Purple Cone Flower	July-Sept.	Claret Red	4 ft.	25c	2.50	
SAPONARIA							This charming rock or border plant produces sheets of pink flowers in early Summer. It is of very easy culture and thrives in any garden soil in full sun.
Ocymoides Splendens		May	Pink	6 in.	15c	1.50	
SCABIOSA	Mourning Bride						Useful border plants blooming freely all Summer; much prized for cutting and massing in old-fashioned gardens; suceeds best in light loam with plenty of sun.
Caucasica		June-Sept.	Pale Blue	18 in.	15c	1.50	
Alba		June-Sept.	White	18 in.	25c	2.50	
SEDUM							Fine plants for rock-garden, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
Acre	Golden Moss	May-June	Bright Yellow	3 in.	10c	1.00	
Latifolius Atropurpureus		Aug.-Sept.	Crimson	18 in.	20c	2.00	
Maximowiczii		Aug.-Sept.	Yellow	2 ft.	15c	1.50	
***Spectabile**	Brilliant Stone-crop	July-Aug.	Rose Color	18 in.	15c	1.50	
Atropurpureus		July-Aug.	Bright Crimson	18 in.	20c	2.00	
SIDALCEA							Produces graceful spikes of pink flowers. A good border plant.
***Rosy Gem**		June-July	Pink	3 ft.	15c	1.50	
SOLIDAGO	Golden Rod						Although native plants these two Golden Rods are worthy of cultivation, being of the easiest culture and their light graceful panicles of golden yellow flowers make them invaluable for cutting from August to October, at a time when flowers in the outdoor garden are getting very scarce.
Canadensis "Golden Wings"		Sept.-Oct.	Rich Yellow	6 ft.	40c	4.00	
Nana		Aug.-Sept.	Golden Yellow	18 in.	15c	1.50	
SPIRAEA	Goats' Beard or Meadow Sweet						Graceful plants, both in flower and foliage. Naturalized by the side of streams, or as a border or shrubbery plant. Their feathery plumes are valuable for cutting. They require good, rich soil. Filipendula fl. pl. is good for front row in hardy border or edging. Partial shade suits them best.
Lobata (Venusta)		June-July	Rose Pink	3-4 ft.	20c	2.00	
Filipendula Fl. Pl.	Dropwort	June-July	Double White	18 in.	15c	1.50	
STATICE	Sea Lavender						Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
Latifolia		July-Sept.	Lavender	2 ft.	15c	1.50	

STOKESIA (Stokes' Aster)

YUCCA FILAMENTOSA

STATICE LATIFOLIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
STOKESIA	Stokes' Aster						Produces showy Aster-like flowers from 4-5 inches across; it is of easiest culture, succeeding in any open position; used as a cut flower and for planting in masses in the hardy border.
Cyanea		July-Oct	Pale Blue	18 in	15c	$1.50	
Alba		July-Oct	White	18 in	20c	2.00	
SWEET WILLIAM							The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow them to perfection.
Single and Double		June-July	Mixed	18 in	15c	1.50	
Red		June-July	Red	18 in	15c	1.50	
Salmon		June-July	Salmon	18 in	15c	1.50	
White		June-July	White	18 in	15c	1.50	
THALICTRUM	Meadow Rue.						These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. They make fine border plants for partial shade or sun, and will thrive in any good soil or situation.
Adiantifolium		June-Aug	Yellow	8 in	15c	1.50	
Delavayi		June-Aug	Dark Lilac	2½ ft	30c	3.00	
Dipterocarpum (New)		June	Rosy Purple	5-6 ft	30c	3.00	
Flavum		June-Aug	Yellow	4 ft	15c	1.50	
THYMUS Vulgaris				12 in	15c	1.50	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TIARELLA							A pretty low growing native plant about 12 inches high, producing showy spikes of white flowers in May and June. It likes shade and moisture.
Cordifolia		June	White	12 in	20c	2.00	
TRADESCANTIA							A native plant that will thrive almost anywhere. The flowers are curious and produced in a succession throughout the whole Summer. The foliage is like the day lilies, is persistent and keeps green all Summer. Desirable for naturalizing.
Virginica	Spider Wort	July-Aug	Blue	3 ft	15c	1.50	
Alba		July-Aug	White	3 ft	20c	2.00	
Lilacina		July-Aug	Lilac	3 ft	20c	2.00	
Rubra		July-Aug	Rose	3 ft	20c	2.00	
TRILLIUM	Wake Robin.						One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.
Grandiflorum		May-June	White	12 in	10c	1.00	
TRITOMA	Red Hot Poker or Torch Lily.						A most striking and exceedingly ornamental autumn flowering class of plants. Their noble aspect and showy flower spikes and dense foliage render them valuable for shrubberies, flower borders, beds or lawns. They like light, sandy soil, plenty of manure and abundance of water, and should have protection in Winter with straw or leaves, as they will not stand very severe weather. Pfitzeri is everblooming and makes a good flower for cutting.
Express		June-Aug	Orange Scarlet	2 ft	20c	2.00	
Obelisque		Aug.-Nov	Chrome Yellow	3 ft	25c	2.50	
Pfitzeri	Everblooming Flame Flower	Aug.-Nov	Orange Scarlet	3 ft	15c	1.50	
Saunders'		June-Aug	Coral-Red	3 ft	25c	.....	
Triumph		Aug.-Oct	Golden Yellow	3 ft	40c	4.00	
Uvaria Grandiflora		Aug.-Nov	Bright Orange	4 ft	15c	1.50	
TROLLIUS	Globe Flower.						The Globe Flowers are beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil. Are useful for naturalizing, side of ponds and borders. The flowers are borne on stiff stems and are valued for cutting.
Asiaticus Fl. Pl. Croceo		May-June	Dark Orange	18 in	25c	2.50	
Caucasicus Orange Globe		May-June	Glowing Orange	3 ft	25c	2.50	
Japonicus Excelsior			Dark Orange	2 ft	25c	2.50	
TUNICA							A very pretty little rock or border plant, bearing dainty pink flowers on slender stems. It likes a position in full sun. Rock plants are becoming very popular.
Saxifraga		June-July	Pink	1 ft	15c	1.50	
VALERIANA	Garden Heliotrope.						A good border plant with sweet scented flowers of heliotrope odor, worthy of a place in the back part of hardy gardens.
Officinalis		June-July	Pink	3 ft	15c	1.50	
VERONICA	Speedwell.						Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower. Rupestris is a fine plant for matting the ground and can be used for covering dry banks, graves, etc. All the varieties are worthy of cultivation. Requiring any good garden soil and plenty of water in dry weather.
Elegans		July-Aug	White	2 ft	15c	1.50	
Longifolia Subsessilis		July-Aug	Blue	2½ ft	15c	1.50	
Rupestris		May-June	Bright Blue	4 in	15c	1.50	
Spicata		July-Aug	Bright Blue	18 in	15c	1.50	
VINCA							Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live, they soon make a carpet.
Minor	Green Myrtle	June	Blue	4 in	10c	1.00	
Argentea Variegata		June	Blue	4 in	20c	2.00	
VIOLA Odorata	English Violet	May-June	Dble, Deep Purple	8 in	25c	2.50	Should be planted in every garden, thrives well in partial shade, and are prized for the sweetness of the blossom.
YUCCA Filamentosa	Adams Needle	June-July	Pure White	4-5 ft			A charming plant to group in the hardy flower border cemetery or as specimens in the lawn.

Price, 1 year strong plants at 10c each, $1.00 per doz.; larger plants at 25c, 50c, 75c and $1.00 each, according to size.

Ornamental and Flowering Shrubs and Trees

ILLUSTRATION OF FOUNDATION PLANTING WITH SHRUBS AND HARDY PERENNIALS

ALTHEA—Rose of Sharon

AZALEA MOLLIS

There is nothing that will add to the beauty and value of the home so much as well selected judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared to stock that is never moved from the cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape and are recommended where immediate effect is desired.

SHIPPING DIRECTIONS: Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

Regarding Prices — Where the price for each is—

$0.10, we supply 3 for	$0.25, 12 for	$1.00;	$0.60, we supply 3 for	$1.70, 12 for	$6.50
.15, we supply 3 for	.40, 12 for	1.50;	.65, we supply 3 for	1.80, 12 for	7.00
.20, we supply 3 for	.55, 12 for	2.25;	.70, we supply 3 for	1.90, 12 for	7.25
.25, we supply 3 for	.65, 12 for	2.50;	.75, we supply 3 for	2.10, 12 for	8.00
.30, we supply 3 for	.80, 12 for	2.85;	.80, we supply 3 for	2.20, 12 for	8.50
.35, we supply 3 for	1.00, 12 for	3.75;	.85, we supply 3 for	2.35, 12 for	9.00
.40, we supply 3 for	1.10, 12 for	4.25;	.90, we supply 3 for	2.50, 12 for	9.50
.45, we supply 3 for	1.20, 12 for	4.60;	.95, we supply 3 for	2.65, 12 for	9.75
.50, we supply 3 for	1.35, 12 for	5.25;	1.00, we supply 3 for	2.75, 12 for	10.00
.55, we supply 3 for	1.45, 12 for	5.75;			

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47th Street, the continuation of East Boulevard.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring. The flowers are double and are either pink or white.

Double Pink or Double White.
2 to 3 ft., **40c**; Tree form, 3 ft., clear stem, **$2.00.**

ALTHEA (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock.

Double Pink, Red or White.
2 to 4 ft., **40c**; Tree Form, 4 to 5 ft., **60c.**
Single Blue, 2 to 3 ft., **40c.**

AMELANCHIER VULGARIS
(European June-Berry)

This variety blooms in early summer. The flowers are white and the leaves color beautifully in the fall.
2 to 3 ft., **40c**; 3 to 4 ft., **50c**; 4 to 5 ft., **60c.**

AMORPHA FRUTICOSA
(False Indigo) (B)

This large-growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July.
2 year, **35c**; 3 year, **45c.**

Canescens. (B.) A small native shrub bearing light purple flowers, June. 4 year, **50c.**

ARALIA (Hercules Club)

Cordata. New Japanese sub-shrub, with large dark green, heart-shaped leaves, and tall spikes of light green flowers, from August to September.
2 year, **30c**; 4 year, **40c.**

Mandshuricus. A very handsome shrub of erect habit and very large much divided spiny leaves.
3 to 4 ft., **60c.**

Maximowiczi. (A.) A remarkable small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems. 4 ft., **75c.**

Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leaves palmate, five lobed. 4 to 5 ft., **75c.**

Spinosa. (A.) A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 3 to 4 ft., **60c**; 4 to 5 ft., **75c.**

ARTEMISIA ABROTANUM
(Southernwood or Old Man) (C)

A deciduous shrub well known for its fragrance. Extra strong bushes. 18 in. bushy, **25c**; 2 ft. bushy, **30c.** 2½ ft. specimens, **50c.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c.**

CALYCANTHUS (Sweet Shrub)

See page 122 for prices on 3 and 12 of a kind

BERBERIS (Barberry)

CLETHRA (Sweet Pepper Bush)

BACCHARIS

Halimifolia. (Groundsel Shrub.) **(B.)** The whitish flowers of this, though not unattractive, are not as ornamental as the downy clusters of seed which appear in late summer. A good sea shore shrub. 3 to 4 ft., **40c.**

BERBERIS (Barberry)

Ilicifolia. (Holly-leaved Barberry.) **(B.)** The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 12 to 18 in., **40c;** 2 to 2½ ft., **60c.**

Thunbergii. (Japanese Barberry.) **(B.)** One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks. 1 year, 10 to 15 in., **15c; $8.00 per 100;** 2 year, 15 to 20 in., **25c; $14.00 per 100;** 3 year, 18 to 24 in., **40c; $25.00 per 100;** 4 year, strong, **50c; $35. per 100;** 5 year specimens **75c to $1.00.**

Vulgaris. (European Barberry.) **(B.)** A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1 to 2 ft., **25c;** 2 to 3 ft., **40c.**

Vulgaris Purpurea. (Purple-leaved Barberry.) **(B.)** Especially remarkable for its dense, upright growth and its brilliant purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. It is very valuable as a border for walks and drives. Splendid for a hedge, also good as single specimens on the lawn. Endures partial shade and is perfectly hardy. 2 to 2½ ft., **30c;** 3 to 4 ft., **45c;** 4 to 5 ft specimens, **75c.**

CALYCANTHUS (Sweet Shrub) (B)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 18 in. bushy, **30c;** 2½ to 3 ft., **60c;** 4 ft. specimens, **75c.**

CARAGANA SIBERICA (Siberian Pea Tree) (A)

Bush or low tree. Pea-shaped yellow flowers in May. 3 to 3½ ft., **50c.**

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small shrub with a profusion of white flowers, in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft. bushy, **40c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A tall-growing native shrub with globular heads of white flowers in July. 3 to 4 ft., **50c;** 4 to 5 ft. specimens, **75c to $1.00.**

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 ft. 18 to 24 in., **40c;** 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A grand shrub covered with spikes of clear white fragrant flowers in August. 18 to 24 in., **40c** 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

COLUTEA ARBORESCENS (C)

A large shrub with small delicate foliage and yellow pea-shaped blossoms, flowers in June and July, followed by reddish pods. 4 to 5 ft., **60c;** 5 to 6 ft. specimens, **75c.**

CORCHORUS (Kerria)

Japonica. **(B.)** Single yellow flowers, with neat growth. An old favorite. 1 to 2 ft. bushy, **40c.**

Japonica Aurea Var. **(C.)** A graceful shrub, 4 to 5 ft. high, with double yellow flowers from early summer till fall. As pretty as a rose. Very ornamental as a plant for lawn. Foliage edged green and yellow. 1 to 1½ ft., **40c.**

Japonica Argentea Var. **(B.)** A pretty dwarf variety with small, green foliage edged white, slender grower. A valuable dwarf shrub. 1 to 1½ ft., **40c.**

Japonica Flore Plena. Double flowered. This fine old shrub should be in all collections. It is of a spreading habit. Its double yellow blossoms, which are about 1 in. in diameter appear early in May, one from each leaf axil. It is excellent for massing. 2 to 3 ft., **50c.**

CORNUS (Dogwood)

Alternifolia. (Blue Dogwood.) **(B.)** A pretty, large shrub; forms almost a flat head. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., **50c.**

Gouchaulti. Yellow and green variegated foliage, with red bark, attractive. 2 ft., **60c.**

Mas. (Cornelian Cherry.) **(B.)** One of the earliest of spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries, size of small cherries, very ornamental. 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

Sanguinea. (Red-branched Dogwood.) **(B.)** Very conspicuous and ornamental. Bark in winter blood-red. 3 ft., **40c.**

Sericea. (Silky Dogwood.) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 2 to 3 ft., **40c.**

Siberica. (Red Siberian Dogwood.) **(B.)** A rare and remarkable variety with bright red bark in winter. 1 to 1½ ft., **20c;** 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft. specimens, **75c.**

Stolonifera Aurea. A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 3 to 4 ft., **60c.**

CRAB (Bechtel's Double Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., **$1.25.**

CYDONIA JAPONICA (Japan Quince) (B)

A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft. each, **40c; $25.00 per 100;** 3 to 3½ ft., **60c;** 4 ft. specimens, **$1.00.**

Gaujardi. **(B.)** Orange-colored flowers. Large showy fruit. Forms a large shrub. 2 to 3 ft., **50c.**

Umbilicata. **(B.)** Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 4 ft., **75c to $1.00.**

For prices on 3 and 12 of a kind see top of page 122

BECHTEL'S DOUBLE FLOWERING CRAB
(For description see preceding page)

CHIONANTHUS (White Fringe)
(For description see preceding page)

DOUBLE DEUTZIA

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2 year, **35c**; 3 year, **50c**; 4 year, **60c**.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers places them among the most beautiful and most popular of flowering shrubs at the present time. Flowers in June and through July and August.

Gracilis. (C.) A low growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 in. bushy plants, **25c; per 100, $12.00.**

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1 to 1½ ft., **30c; per 100, $15.00**; 2 to 3 ft., **45c.**

Lemoinei Compacta. (C.) **New.** The dwarf, compact bushes are covered completely with white flowers during May and June. 18 in. bushy, **35c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 ft., **25c**; 3 to 4 ft., **50c.**

Wateri. (B.) A new form with double white, bell-shaped blossoms. 4 ft., **40c.**

Welsii. (C.) Another variety with double white flowers. 4 ft., **40c.**

ELEAGNUS (Silver Thorn)

Angustifolia. (B.) Sweet-scented flowers in May or June; narrow leaves; hardy. 2 to 3 ft., **35c**; 3 to 4 ft., **45c**; 5 to 6 ft. specimen, **75c and $1.00.**

DOGWOOD
(See Cornus)
ELDERS
(See Sambucus)

Longipes. (Edulis.) (B.) Small, yellowish white flowers in May, followed by berries somewhat larger than currants; good for eating or cooking. 2 to 3 ft., **50c**; 3 to 4 ft., **75c**; 4 ft. specimens, **$1.00.**

EUONYMUS (Burning Bush)

Alatus. (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., **75c**; 3 to 4 ft., **$1.25**; 4 to 5 ft. specimens, **$3.00** and **$4.00.**

Americanus. (B.) An erect shrub with slender green branches, leaves bright green. Fruit warty, rose color, with scarlet seed coats. 2 to 3 ft., **50c.**

Europaeus. (European Burning Bush.) Forms a tree sometimes 30 ft. in height. Rose-colored fruit. 2 to 3 ft., **45c**; 3 to 4 ft., **60c**; 4 to 5 ft., **75c**; 5 ft. specimens, **$1.00.**

Linearis. (C.) A pretty shrub of dwarf habit; foliage narrow, becoming purple in autumn, fruit red; fine for rockeries. 1½ to 2 ft., **35c.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., **40c**; 4 to 6 ft., specimens, **75c** and **$1.00.**

FONTANESIA FILARIAEFOLIA (B)

A large shrub with somewhat slender shoots and small leaves, bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 3 to 4 ft., **40c**; 4 to 5 ft., **60c.**

EXOCHORDA (Pearl Bush

EUONYMUS ALATUS (Burning Bush)

FORSYTHIA (Golden Bell)

For prices on 3 and 12 of a kind see top of page 122

HYDRANGEA PANICULATA GRANDIFLORA

PRIVET HEDGE

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks.

Fortunei. (Fortune's Forsythia.) **(B.)** Growth upright, foliage deep green. Flowers rich yellow. 2 ft., **40c;** 3 to 4 ft., **50c.**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., **30c;** 2 to 3 ft., **45c.**

Sieboldi. **(B.)** Of drooping habit, flowers bell-shaped, light yellow; very pretty. 2 to 3 ft., **35c.**

Suspensa. (The Weeping Forsythia.) **(B.)** Fine drooping habit and covered with bright yellow flowers in early spring. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Viridissima. **(B.)** A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 4 to 5 ft. specimens, **75c.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A tall-growing shrub, yellow bell-shaped flowers. May and June. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

HIPPOPHAE RHAMNOIDES (B) (Sea Buckthorn)

A rigid growing shrub, with leaves of silver color on the underside. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 5 to 6 ft. specimens, **75c** and **$1.00.**

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL." (New) (C.)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and bids fair to become the most beautiful hardy flowering shrub introduced during the last twenty years. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spireas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It seems to thrive well in various soils but requires shade. We offer strong dormant plants. 2 year, **35c; per 100 $25.00;** 3 year, **50c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

2 year, **each, 25c; 3 for 65c, doz., $2.50; per 100, $15.00;**
3 year, **each, 40c; 3 for $1.10, doz., $4.25; per 100, $25.00;**
4 year, **each, 50c; 3 for $1.35, doz., $5.25; per 100, $35.00.**

(Tree Form) (A)

These plants have a clear stem about 3 feet long, with a bushy top, making a grand show when in flower. **Each, 75c.** Extra selected, **each, $1.00.**

LIGUSTRUM (Privet)

Amurense. (Amoor Privet.) **(B)** A very slender grower; the foliage is finer and of a lighter green than that of the California. A fine hedge plant. 1½ to 2 ft., **each, 20c; per 100, $10.00;** 2 to 3 ft., **each, 30c; per 100, $20.00;** 3 to 4 ft., **each, 40c; per 100, $28.00;** 4 to 5 ft., **each, 50c; per 100, $35.00.**

LIGUSTRUM—Continued

California. (B) This Privet has gained an immense popularity for hedging, but we find it unable to always stand the Illinois winters and can recommend it only for the eastern and southern states. 2 to 3 ft., **each, 25c; per 100, $12.00;** 2½ ft., extra bushy, **each, 30c; per 100, $20.00.**

Ciliatum. Small Japanese shrub with pointed elliptical leaves, white flowers, followed by black berries the size of a pea. 2 ft. bushy, **each, 25c; per 100, $15.00.**

Ibota. (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens on the lawn. 1½ to 2 ft., **each, 20c; per 100, $10.00;** 2 to 3 ft., **each, 30c; per 100, $18.00;** 3 to 4 ft., **each, 40c; per 100, $30.00;** 4 ft. specimens, **each, 60c.**

Regelianum. (B) This beautiful, graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal, spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It will become one of the most popular varieties as soon as it is better known. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed against buildings or on slopes or banks. 2 to 3 ft., **each, 20c; per 100, $12.00;** 4 ft. specimens, **75c and $1.00.**

Vulgare. (European Privet.) **(B)** Very useful for hedges; can be clipped any shape. Grown as single specimens it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental. 2 to 3 ft., **each, 20c; per 100, $12.00;** 3 to 4 ft., **each, 30c; per 100, $22.00.**

LILACS (True Syringa) (B)

Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 2 to 3 ft., **each, 30c; per 100, $20.00;** 3 to 4 ft., **each, 50c; per 100, $35.00;** 4 to 5 ft., **each, 75c; per 100, $55.00;** 5 to 6 ft. specimens, **$1.50.**

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 3 to 4 ft., **75c.**

Amurensis. Blooms in June. Large white trusses. 4 to 5 ft., **75c.**

Bertha Dammann. Magnificent pure white flowers, borne on large spikes. 2 to 3 ft., **50c.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes. 1½ to 2 ft., **each, 40c; per 100, $30.00;** 2 to 3 ft., **each, 50c; per 100, $40.00;** 3 to 4 ft., **75c.**

Japonica. A series from Japan, becoming a good-sized tree. Foliage dark green, glossy, leathery; flowers creamy white, odorless, in great panicles. A month later than other Lilacs. 2 to 3 ft., **40c;** 3 to 4 ft., **60c;** 5 ft. specimens, **$1.00 to $1.50.**

Josikaea. Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., **50c.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **40c;** 3 to 4 ft., **60c;** 5 to 6 ft. specimens, **$1.00 to $1.50.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., **each, 50c; per 100, $35.00;** 5 ft. specimens, **$1.50;** tree form standards, 4 ft., **$1.50.**

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 4 to 5 ft. specimens, **$1.00 to $1.50.**

Persian, Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2½ to 3 ft., **50c;** 3 to 4 ft., **65c.**

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., **each, 35c; per 100, $25.00;** 3 to 4 ft., **each, 50c; per 100, $35.00;** 4 to 5 ft., **75c to $1.00.**

Villosa. **(C)** A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant; foliage resembles that of the White Fringe. Especially valuable as its flowers appear two weeks later after those of other Lilacs. 1½ to 2 ft., **50c.**

Vulgaris. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good. 2 to 3 ft., **each, 40c; per 100, $28.00;** 3 to 4 ft., **each, 50c; per 100, $40.00;** 4 to 5 ft., **each, 75c; per 100, $60.00.**

For prices on 3 and 12 of a kind see top of page 122

LILAC, CHARLES X

PHILADELPHUS (Syringa)

LILAC Mme. LEMOINE

LILACS ON THEIR OWN ROOTS

The above has a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year; and they withstand our severest winters. The demand for them becomes greater each year.

We have been fortunate enough to procure the following varieties in good, strong stock, but regret to say that the supply is very limited, and strongly advise customers to order early.

All are fully described in the general list of varities above.

Charles X	2 to 2½ ft.	**Each, $1.00**
Marie Legraye	1½ ft.	**Each, 1.00**
Mad. Lemoine	2 to 3 ft.	**Each, 1.00**

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 3 to 4 ft., **75c.**

LOCUST, SEE ROBINIA—TREES

LONICERA (Bush Honeysuckle)

Hardy shrubs valuable for their numerous flowers and showy fruit.

Alberti. Violet bell-shaped flowers, leaves narrow. A very hardy variety, somewhat procumbent. 3 to 4 ft., bushy, **60c.**

Bella Candida. A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., **50c.**

Ledebouri (B) A distinct species with red flowers in May; pretty. 3 to 4 ft., **each, 40c; per 100, $30.00;** 4 ft. specimens, **60c.**

Morrowii. (Japanese Bush Honeysuckle) (B) A strong, vigorous grower with pure white flowers produced in May and June, followed by brilliant-colored fruit. 3 to 4 ft., **45c.**

Tartarica Alba (White Tartarian) (B) 3 to 4 ft., **50c.**

Tartarica Rosea (Pink Tartarian) (B) 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Virginalis Alba White flowers, resembling Tartarica Alba. 2 to 2½ ft., bushy, **35c.**

MAGNOLIAS

We offer the two varieties best adapted to our climate, and that have proven hardy in Chicago.

Halleana (Japan Magnolia) Dwarf and shruby. Its pure white semi-double flowers are quite fragrant and produced in April; earlier than those of other varieties. New and scarce. 2½ ft., **$3.00.**

Soulangeana Flowers white and purple, 3 to 5 in. across, borne in May, before its leaves, which are massive and glossy. Among the hardiest and finest of foreign Magnolias. 3 to 4 ft., **$3.00.**

MAHONIA

Aquifolia (Holly-leaved Mahonia). A native species of medium size, with purplish, shining prickly leaves, and showy, bright yellow flowers in May, succeeded by bluish berries. Its handsome, deep green, glossy foliage and neat habit, render it very popular for decorative planting. 2 year, **each, 35c; per 100, $25.00;** 3 year, **each, 45c, per 100, $32.00;** 4 year, **60c.**

MALUS (Pyrus)

Arbutifolia A beautiful species with dark brown bark, and green leaves that change to a beautiful scarlet in the fall. Bears scarlet berries. 3 to 4 ft., **60c.**

Floribunda Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 4 to 5 ft., **$1.00;** tree form, 5 ft., **$1.25.**

Floribunda Atrosanguinea Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., **$1.00;** tree form, **$1.25.**

Parkmanni A variety with beautiful semi-double rose colored flowers. 4 to 5 ft., **$1.00.**

MORUS (Mulberry)

Tartarica (Russian). (20 to 25 ft.) Hardier in the northwest than all others. 3 to 4 ft., **each, 35c; per 100, $25.00;** 5 to 6 ft., **50c;** 7 to 8 ft. specimens, **$1.25.**

Teas Weeping. Tree 6 to 8 ft., with 3-year-old heads, **each, $2.50.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., **each, 25c; per 100, $18.00;** 2 to 2½ ft., bushy, **each, 35c; per 100, $25.00.**

PHILADELPHUS—Continued

Coronarius (A) A grand old favorite shrub. Should be in every yard. Covered with sweet-scented white flowers in June. 2 to 3 ft., **each, 35c; per 100, $25.00.**

Coronarius Aureus Golden leaved Mock Orange, much prized for its bright effect. 1 to 1½ ft., bushy, **40c.**

Dianthiflorus Fl. Pl. (B) A dwarf-growing variety, with double cream-colored fragrant flowers. 2 to 2½ ft., **each, 35c; per 100, $25.00;** 3 ft. specimens, **60c.**

Falconeri A graceful shrub with arching branches of pure white starry flowers. Very free-flowering. 3 to 4 ft., **35c.**

Grandiflorus (A) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 1½ to 2 ft., **each, 25c; per 100, $15.00;** 2 to 3 ft., **each, 35c; per 100, $25.00;** 3 to 4 ft., **each, 50c; per 100, $35.00.**

Lemoinei Erectus (B) A charming variety of erect growth; creamy white fragrant flowers. 1½ to 2 ft., **each, 25c; per 100, $15.00;** 2 to 3 ft., **each, 35c; per 100, $25.00.**

Manteau d'Hermine Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1½ to 2 ft. bushy, **45c.**

Mont Blanc Attaining 5 ft. in height, erect branches, entirely covered with large fragrant flowers. 4 ft, **50c.**

Speciosus (A) Large, pure white flowers. Very fine shrub. 2 to 3 ft., **35c.**

Zeheri (A) A large-flowered odorless variety; blooms very late. 4 to 5 ft., **75c.**

PRIVET (See Ligustrum)

PRUNUS

BURBANK'S OTHELLO PLUM A purple-leaved Plum. A useful fruit with splendid foliage. Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree; one of Luther Burbank's creations, of which we purchased the first and only tree in 1905.

The tree is an upright grower, and a prolific bearer; fruit deep crimson about one inch in diameter, ripening before the very earliest of ordinary plums.

The foliage is of the most brilliant reddish purple, and holds its color throughout the season. 2½ to 3 ft., **each, 50c; per 100, $30.00;** 3 to 4 ft., **each, 60c; per 100; $40.00;** 4 to 5 ft., **each, 75c; per 100, $60.00;** 5 to 6 ft., **each, $1.00; per 100, $80.00.**

Pissardi (A) (Purple-leaved Plum) A fine purple-leaved small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., **35c;** 4 to 5 ft., **75c.**

Triloba (B) (Double-flowered Plum) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May. 2 to 3 ft., **50c.**

PTELEA (Hop Tree)

Trifoliata A large shrub or small tree, of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., **30c.**

Trifoliata Aurea (A.) (Golden-leaved Hop tree) A round, low-growing tree with large trifoliate leaves, and with a glossy surface that brings out the rich, solid yellow of the leaves, as if varnished. Useful in a lawn, border or group. 3 to 4 ft., **60c;** 5 ft. specimens, **$1.00.**

RHAMNUS (Buckthorn)

Catharticus (A.) A fine, robust shrub, with dark, green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 25c; per 100, $15.00;** 3 to 4 ft., **each, 30c; per 100, $20.00.**

Frangula (B.) (Alder Buckthorn) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 3 to 4 ft., **35c.** 5 to 6 ft. specimens, **each 75c; per 100, $50.00.**

Imeritina (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 2 ft., **50c.**

Purshiana (B.) A rare shrub, valuable for its long dark leaves and red berries which turn to black in the fall. 5 to 6 ft., **75c.**

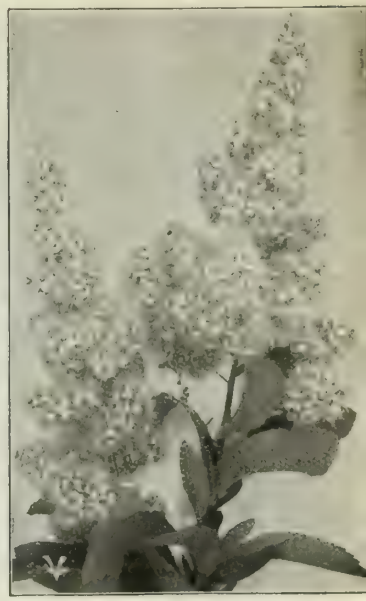
RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous small fruits. 2 to 3 ft., **each, 30c; per 100, $20.00;** 3 to 4 ft., **45c;** 4 to 5 ft. specimens, **60c.**

For prices on 3 and 12 of a kind see top of page 122

SPIRAEA SORBIFOLIA

SPIRAEA VAN HOUTTEI (Bridal Wreath)



SPIRAEA BILLARDII

RHUS (Sumach)

Cotinus (Purple Fringe, or Smoke Tree) A common shrub rarely seen in perfection because of bad pruning. In good soil and allowed to develop naturally, it is exceedingly ornamental. 3 to 4 ft., **50c.**

Copallina (Dwarf or Shining Sumach) **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 1 to 1½ ft., **each, 35c; per 100, $25.00;** 1½ to 2 ft. **each, 50c; per 100, $35.00;** 2 to 3 ft., **75c.**

Glabra (Smooth Sumach). Very effective in autumn with its crimson seeds and foliage. 2 to 3 ft., **each, 25c, per 100, $15.00;** 3 to 4 ft., **40c.**

Glabra Laciniata (Cut-leaved Sumach) A very striking plant, of moderate size, with deeply cut leaves resembling fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **each, 35c; per 100, $25.00;** 3 to 4 ft., **50c.**

Typhina (Staghorn Sumach) A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 4 to 5 ft., **45c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **each, 30c; per 100, $20.00;** 3 to 4 ft., **each, 40c, per 100, $28.00;** 5 to 6 ft., **60c.**

RIBES, OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 2½ to 3 ft., bushy, **45c.**

Aureum (B.) (Yellow-flowering, or Missouri Currant.) A native species, with glabrous shining leaves and yellow flowers. June and July. 2 to 3 ft., **each, 25c; per 100, $15.00;** 3 to 4 ft., **each, 30c; per 100, $20.00;** 4 to 5 ft., **each, 40c; per 100, $28.00;** 5 ft. specimens, **50c to 75c.**

Gordonianum (B.) (Gordon's Currant.) A hybrid between Aureum and Sanguineum. Hardy and profuse blooming shrub. Flowers crimson and yellow in pendant bunches in May. 3 to 4 ft., **35c;** 4 to 5 ft., **50c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 2½ ft., **50c.**

RUGOSA ROSES and THEIR HYBRIDS (See Roses)

Rosa Rubiginosa (English Sweet Brier) (See Roses)
Rosa Rubrifolia (Purple Leaved Rose) (See Roses)

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Babylonica. (Weeping Willow.) The stock we offer is grown to bush form to be used not as a tree, but as a shrub. Strong, bushy plants. 5 to 6 ft., **40c.**

Japonica. This has broad, shining green leaves, quite ornamental. 3 to 4 ft., **35c;** 4 to 5 ft., **50c.**

Laurifolia. (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 3 to 4 ft., **35c;** 4 to 5 ft., **50c.**

Niobe Aurea. An elegant shrub with golden bark. 4 to 5 ft., **50c.**

Regalis. (Royal Willow.) Elegant tree, with rich, silvery foliage. 3 to 4 ft., **45c.**

Rosmarinifolia. (Rosemary Willow.) This has quite small light green foliage and slender twigs. Desirable ornamental lawn tree. 3 to 4 ft., **45c.**

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 3 to 4 ft., **30c.**

Vitellina Purpurea. (Purple Osier.) A Red or Purple barked variety, height 5 to 10 ft., and an erect grower and native of Europe. 3 to 4 ft., **30c.**

Wisconsin Weeping. Of drooping habit and hardier than Babylonica. Valuable on account of its resistance to severe cold. 3 to 4 ft., **30c;** 5 to 6 ft., **50c.**

SAMBUCUS (Elders)

Much in demand for the beautiful leaves. The flowers and fruits are also showy and attractive. Grows well anywhere; needs pruning to keep it in shape.

Aurea. (A) (Golden-leaved.) The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **25c;** 3 to 4 ft., **45c;** 5 to 6 ft., **75c.**

Aurea Variegata. (Variegated Elder) Leaves yellow and green. 4 to 5 ft. specimens, **75c.**

Laciniata. (A) (Cut-leaved.) Has finely bisected leaves. 3 to 4 ft., **each, 35c;** 4 to 5 ft., **50c;** 6 ft. specimens, **75c to $1.00.**

Nigra. (The Black Elder.) 4 ft., **35c.**

Pubens Maxima. (New.) This new Elder is a splendid acquisition, producing in June and early July, immense heads of deliciously, hawthorn scented, white flowers. 4 to 5 ft., **75c.**

SNOWBALLS (See Viburnum)

SPIRAEA

The Spiraeas are all elegant, low shrubs, of the easiest culture, and their blooming extends over a period of three months.

Anthony Waterer. (B.) (Perpetual-blooming Red Spiraea.) A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom almost as soon as planted; rose red flowers in large, round clusters all over the bush. 1½ to 2 ft., **40c.**

Arguta multiflora. (B.) Dwarf, drooping habit; flowers pure white, commencing to bloom in June; fine foliage. 2½ to 3 ft., **45c;** 4 ft. specimens, **75c to $1.00.**

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 1½ to 2 ft., each, **20c; per 100, $10.00;** 3 to 4 ft., each, **30c; per 100, $20.00;** 4 to 5 ft., each, **45c; per 100, $25.00;** 5 to 6 ft. specimens, **75c.**

Bumalda. (B.) Light rose flowers. 1 ft. bushy, **30c.**

Callosa alba. (C.) Dwarf white Spiraea of bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 2 ft., **40c.**

Callosa Froebeli Variegata. A variegated leaved free flowering variety, flowers rose. 2 ft., **40c;** 3 to 4 ft., **60c;** 4 ft. specimens, **75c.**

Callosa Rubra. Flowers deep rose. 2 ft., **30c;** 3 to 4 ft. bushy, **60c.**

Fortunei Rosea. (B.) Dark pink flowers, grows 5 to 6 ft. high. 4 ft. specimens, **60c.**

Opulifolia. (Nine Bark.) (B.) A strong growing shrub with white flowers. 3 to 4 ft., **45c.**

Opulifolia aurea. (B.) (Golden-leaved Nine Bark.) An interesting variety, with golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2½ to 3 ft., **35c;** 3 to 4 ft., **45c;** 6 to 7 ft. specimens, **75c to $1.00.**

Reevesii or Lanceolata. (Lance-leaved Spiraea.) A charming shrub with narrow, pointed leaves, and large, round clusters of white flowers that cover the whole plant, and render it exceedingly effective. Blooms in June. 3 to 4 ft., **50c.**

Sorbifolia. (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 3 to 3½ ft., **50c.**

Thunbergii. (B.) One of the first bloomers; pure white flowers. 1 to 1½ ft., **30c;** 2 to 3 ft., **45c.**

Van Houttei (Bridal Wreath.) (B.) A splendid garden shrub, entirely hardy, and the most beautiful of all; immense bloomer; pure snow-white flowers. 1 to 1½ ft., **each, 20c; per 100, $10.00;** 2 to 3 ft., **each, 25c; per 100, $15.00;** 3 ft. bushy, **each, 40c; per 100, $25.00;** 3 to 4 ft. bushy, **each, 50c; per 100, $30.00.**

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 1½ to 2 ft., **45c;** 3 ft. specimens, **75c.**

For prices on 3 and 12 of a kind see top of page 122

TAMARIX

Vaughan's Selection of Shrubs for Hedges

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

Regarding Prices

for 3 and a dozen of a kind, see page 122.

SNOWBALL

HIGH BUSH CRANBERRY

SYMPHORICARPUS (Snowberry)

Small native shrubs much used in shaded places and in open masses. They grow well in almost any soil, are quite hardy and very ornamental, especially so when covered with berries in fall and winter. They grow 3 to 6 ft. in height, have small leaves and slender branches.

Heyeri. (B.) Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 ft., **each 25c;** 2½ to 3 ft., **each 40c;** 3½ ft., **each 65c.**

Occidentalis. (B.) One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 1½ to 2 ft., **each 30c; per 100, $20.00;** 3 to 4 ft., **each 50c.**

Racemosus. (B.) (Snowberry.) July and August. Small red flowers, succeeded by abundant white berries. 2 to 3 ft., **each 30c; per 100, $20.00.**

Vulgaris. (B.) (Indian Currant.) A shrub of very pretty habit. Foliage, flowers and fruit small; fruit purple, hangs all winter. 2½ to 3 ft., **each 30c; per 100, $20.00;** 3 ft. bushy, **each 40c;** 3 to 4 ft. specimens, **each 60c; per 100 $40.00.**

Vulgaris Folius Variegatus. (C.) Same as the Vulgaris, except the foliage, which is green and white; ornamentel shrub. 2½ to 3 ft., **each 30c; per 100, $25.00;** 3 to 4 ft. specimens, **each 60c; per 100, $40.00**...

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside planting.

Africana. Handsome foliage; pink flowers; blooms in May. 3 to 4 ft., **each 35c.**

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 3 to 4 ft., **each 40c;** 4 to 5 ft., **each 50c;** 6 to 7 ft., **each 75c to $1.00.**

Gallica. Foliage fine and feathery on long slender branches that are covered their entire length with bright pink plume-like flowers. 4 to 5 ft., **each 55c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. Awarded first prize at the Paris International Exposition in 1900. 2 to 3 ft., **each 45c;** 3 to 4 ft., **each 60c.**

SNOWBERRY

WEIGELIA

TAMARIX—Continued

Indica. Handsome shrub, with fine foliage, like that of the Juniper. Valuable for planting in sand and soil that few plants will do well in; small pink flowers. 3 to 4 ft., **each 35c;** 4 to 6 ft. specimens, **each 55c;** 6 to 8 ft. specimens, **each 75c to $1.00.**

Odessana. An improvement on Africana, having longer racemes of flowers. 2 to 3 ft., **each 35c.**

Tetrandra Purpurea. A mass of purplish pink flowers in June and July. 5 to 6 ft., **each 45c;** 6 ft. specimens, **75c to $1.00.**

VIBURNUM

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries.

Acerifolium. (C.) (Maple Leaved Viburnum.) A low-growing shrub, white flowers in May, followed by black berries in the fall. Suitable for shade. 2 to 2½ ft., **each 45c.**

Dentatum. (B.) May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 3 to 4 ft. bushy, **each 60c.**

Lantana. (A.) (Early White Lantana-leaved Viburnum.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 2 to 3 ft., **each 35c;** 3 to 4 ft., **each 50 c.**

Molle. A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 3 to 4 ft. specimens, **each 75c.**

Opulus. (A.) (High-Bush Cranberry.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 2 to 3 ft., **each 45c;** 3 to 4 ft., **each 50c;** 5 ft. specimens, **each 75c to $1.00.**

Plicatum. (Japanese Snowball.) This Japanese variety of the old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 ft. high. It blossoms in early June, when the plant is completely covered from the ground to the top of the branches with large balls of flowers as white as snow. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Sterilis. (Old Fashioned Snowball.) Too well known to require any description. 1½ to 2 ft., **each 25c; per 100, $16.00;** 2 to 3 ft., **each 35c; per 100, $25.00;** 3 to 4 ft., **each 50c; per 100, $35.00;** 4 ft. specimens, **75c and $1.00;** tree form 3 to 4 ft., **75c to $1.00.**

Tomentosum. (B.) (The single form of the beautiful Japan Snowball.) Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 2 to 3 ft., **50c;** 3 ft. specimens, **60c.**

WEIGELIAS (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shape with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. Distinct and beautiful. 2 to 3 ft., **35c.**

Amabilis Alba. White form of the above. 2 to 3 ft., **35c.**

Candida. White flowering Weigelia, flowering throughout the summer. 1½ to 2 ft., **25c;** 2 to 3 ft., **35c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Floribunda. Fine variety, flowers dark red. A profuse bloomer, 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1 to 2 ft., **30c.**

Rosea. A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

Sessilifolia. A native shrub, 3 to 4 ft. high, of somewhat spreading growth bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 1 to 2 ft., **25c;** 2 to 3 ft., **35c;** 3 ft. specimens, **50c.**

WILLOW (See Salix)

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender panicles of white flowers that are blotched with yellow and red. Valued for solitary planting. 1 to 1½ ft., **35c;** 1½ to 2 ft., **50c.**

SHADE AND ORNAMENTAL TREES

AMERICAN ELM

REGARDING PRICES

Where the price for each is—

$0.30, we supply	**3 for**	**.80,**	**12 for**	**2.85**
.35, we supply	**3 for**	**1.00,**	**12 for**	**3.75**
.40, we supply	**3 for**	**1.10,**	**12 for**	**4.25**
.45, we supply	**3 for**	**1.20,**	**12 for**	**4.60**
.50, we supply	**3 for**	**1.35,**	**12 for**	**5.25**
.55, we supply	**3 for**	**1.45,**	**12 for**	**5.75**
.60, we supply	**3 for**	**1.70,**	**12 for**	**6.50**
.65, we supply	**3 for**	**1.80,**	**12 for**	**7.00**
.70, we supply	**3 for**	**1.90,**	**12 for**	**7.25**
.75, we supply	**3 for**	**2.10,**	**12 for**	**8.00**
.80, we supply	**3 for**	**2.20,**	**12 for**	**8.50**
.85, we supply	**3 for**	**2.35,**	**12 for**	**9.00**
.90, we supply	**3 for**	**2.50,**	**12 for**	**9.50**
.95, we supply	**3 for**	**2.65,**	**12 for**	**9.75**
1.00, we supply	**3 for**	**2.75,**	**12 for**	**10.00**

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47th Street, the continuation of East Boulevard.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

WEIR'S CUT-LEAVED MAPLE

ALDER (Alnus)

A. Glutinosa. European or Common Alder. A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is especially adapted to moist situations. 7 to 9 ft., **75c.**

ASH (Fraxinus)

F. Americana. American White Ash. A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. 8 to 10 ft., **each 50c; per 100, $35.00;** 10 to 12 ft., **each 75c; per 100, $50.00;** 12 ft. 2 in. caliper, **$1.50;** 12 ft. 2 to 3 in. caliper, **$2.50 to $3.00.**

F. Excelsior. European Ash. A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. 8 to 10 ft., **each 50c; per 00, $35.00;** 10 to 12 ft., **75c.**

F. Excelsior Pendula. (European Weeping Ash.) With 8 ft. clear stem, 4-year old heads, 2 to 3 in. caliper, **$4.00 to $6.00.**

F. Viridis. (Green Ash.) 6 to 8 ft., **each 50c; per 100, $35.00;** 8 to 10 ft., **each 60c; per 100, $55.00.**

BIRCH (Betula)

B. Alba Laciniata. European White Weeping Birch. A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. **8 to 10 ft., $1.75.**

B. Alba Purpurea. Rich dark purple foliage, graceful pendulous habit. Very ornamental. 4 to 5 ft., **$1.25.**

B. Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 8 to 10 ft., **$1.50 to $2.00.**

BOX ELDER (Ash-Leaved Maple)

Of quick growth and irregular, spreading form. 6 to 8 ft., **75c to $1.00.**

CATALPA

C. Bungeii. Grafted tops on straight stems, forming a pretty dome-shaped head of great soft, heavy leaves. 2-year heads, **$1.50;** 5-year heads, **$8.00 to $10.00.**

C. Kaempferi. Japan Catalpa. A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than syringaefolia. 7 to 8 ft., **75c;** 8 to 10 ft., **$1.00.**

C. Speciosa. White flowers, edged with violet and dotted with purple and yellow. 8 to 12 ft., **75c;** 10 to 12 ft., 2 to 2½ in. caliper, **$1.75 to $2.50.**

C. Syringaefolia. Common Catalpa. Native of the Southern States. A showy, rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters, a foot long, of white and purple fragrant flowers. 7 to 8 ft., **75c.**

CRAB (Malus)

M. Floribunda. Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 4 ft., **75c to $1.00;** 7 to 8 ft., extra strong, **$3.00.**

M. Floribunda Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 4 ft., **75c to $1.00;** 7 to 8 ft., extra strong, **$3.00.**

M. Scheideckeri. A fine variety recently introduced from Germany. Flowers quite double, red in bud, changing to pink or rose color. 7 to 8 ft., **$3.00.**

Crab Apple. Bechtel's Double. (See page 123.)

ELM (Ulmus)

American. The ideal street tree. We offer fine shapely trees. 6 to 9 ft., **each 75 cents; 100, $60.00;** 7 to 9 ft., 1½ in. caliper, **$2.00;** 7 to 9 ft., 2 in. caliper, **$2.50;** 10 to 12 ft., 2½ in. caliper, **$3.00;** 10 to 12 ft., 3 in. caliper, **$5.00;** 10 to 12 ft., 4 in. caliper, **$7.00, $8.00 and $10.00.**

Campestris. (English Elm.) A great shade or lawn tree, with deep rich, green leaves. 5 to 7 ft. pyramids, **75c.**

Campestris Dampieri. 6 to 8 ft. pyramids, **$1.25.**

Campestris Monumentalis. A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 10 to 12 ft., **$3.50.**

Campestris Latifolius. A fine spreading tree of large growth. 8 to 10 ft., 1½ in. caliper, **$2.00.**

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 4-year heads, **$6.00.**

ELM (Ulmus)—Continued.

Montana var. Camperdown Pendula. (Camperdown Weeping Elm.) Grafted 5 to 6 ft. high, this forms one of the most picturesque drooping trees. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. Leaves large, dark green and glossy. 5 ft., **$2.00;** 8 ft. clear stems, **$4.50 to $6.00.**

Purpurea. (Purple leaved.) A variety with large purple leaves, in the spring, changing to dark green as season advances. 8 to 10 ft., 2 to 2½ in. caliper, **$3.50.**

JAPANESE MAPLES (Acer)

Atropurpureum. (Blood Leaved Japan Maple.) This is a beautiful and ornamental dwarf tree. The leaves are deeply cut, blood-red in early spring and remain purplish-red the whole season. This is the hardiest and altogether the best of the Japan Maples. 3 ft., **$1.25.**

JUDAS TREE (Red Bud)

It blooms in early spring. Its masses of small delicate rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.00.**

LINDEN (Tilia)

T. Americana. American Linden. A fast-growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 ft., 1½ in. caliper, **$1.50;** 8 to 10 ft., 2½ to 3 in. caliper, **$3.00 to $4.00.**

Alba Pendula. (White Leaved Weeping Linden.) A beautiful tree with large foliage and slender drooping branches. One of the finest of the Lindens. 10 ft., **$4.00.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 4 to 5 ft., **35c.**

MAPLE (Acer)

Dasycarpum. (Silver Maple.) A fast grower, makes a dense shade and thrives in any kind of soil We offer fine, straight, clear trees with high tops for street planting. 10 to 12 ft., **$1.25.**

Dasycarpum var. Wierii. (Weir's Cut-Leaved Silver Maple.) Partly drooping habit and finely divided leaves, it is a rapid grower and is an excellent lawn tree. 7 to 9 ft., **$1.25.**

Platanoides. (Norway Maple.) Handsome round-headed tree. Excellent for lawns where a spreading tree is wanted. 10 to 12 ft., **$2.25 to $2.75;** 8 to 10 ft., 1½ to 2 in. caliper, **$3.00 to $3.50.**

Schwedleri. (Purple Norway Maple.) Foliage bright crimson in early spring, changing to purplish green in the fall. 10 ft., **$2.50 to $3.00;** 7 to 8 ft., 1½ to 2 in. caliper, **$3.00 to $3.50.**

MOUNTAIN ASH (Sorbus)

European Mountain Ash. A small, pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 7 to 8 ft., **$1.00 to $1.25.**

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 7 to 8 ft., **75c;** 10 to 12 ft., 2½ to 3 in. caliper, **$4.00 to $6.00.**

Silver-Leaved. A beautiful variety. 5 to 6 ft., **$1.25.**

Weeping European Mountain Ash. A beautiful variety of rapid growth and decidedly pendulous and trailing habit. 6 ft., **$1.25.**

MULBERRY (Morus)

M. Tartarica. Russian. Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 6 to 8 ft., **$1.00.**

M. Tartarica Pendula. (Teas' Weeping Mulberry.) The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 6 to 7 ft., 2-year heads, **$2.50.**

PLANE (Platanus)

P. Occidentalis. A favorite for avenues, as it forms a larges preading tree. Recommended when a fast-growing tree is wanted. 6 to 8 ft., **75c;** 8 to 9 ft., **$1.00;** 8 to 10 ft., 3 in. caliper, **$3.00.**

TEA'S WEEPING MULBERRY (M. Tartarica Pendula)

SHADE AND ORNAMENTAL TREES—Continued

POPLAR

As a class the Poplars grow fast, cost little and are quickly effective.

Asiatic Poplar. A rapid-growing tree of pyramidal habit; leaves medium to large, cordate, light green, changing to dark green. 6 to 7 ft., **60c;** 8 to 9 ft., **75c.**

Bolleana. (B.) A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and slivery beneath. 6 to 8 ft., **$1.25.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **40c;** 10 to 12 ft., 1½ in. caliper, **$1.00;** 12 to 14 ft., 2 to 2½ in. caliper, **$1.50;** 12 to 14 ft., 2½ to 3 in. caliper, **$2.50 and $3.00.**

Lombardy Poplar. Of upright compact habit, very distinct. 6 to 8 ft., **35c;** 8 to 10 ft., **each 50c; per 100, $35.00;** 10 ft., 1½ in. caliper, **$1.50.**

Van Geert's Golden Poplar. Has fine golden yellow foliage. 8 to 10 ft., **$1.00.**

THORN APPLE (Crataegus Carrierii)

Thorn Apple. (Cratægus Carrierii.) Foliage dark, glossy green; fruit large, dark red, showy, and remains on the tree long into the winter. 10 ft., 2 in. caliper, **$3.50 and $4.00.**

TREE OF HEAVEN (Ailanthus)

A. Glandulosa. A lofty, rapid growing tree from Japan, with long elegant foliage. One of the most distinct of ornamental trees. 5 to 6 ft., **75c.**

WALNUT (Juglans)

J. Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 3 to 4 ft., **65c;** 5 to 6 ft., **$1.00.**

J. Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 ft., **75c.**

Shrubs Valuable for their Ornamental Fruit Succeeding the Flowers

Amelanchier Vulgaris. Dark red fruit in July and August, sweet and juicy.
Berberis in variety. Scarlet and violet fruit in September and October.
Cornus Alternifolia. Blue fruit in August.
  Mas. Red fruit, large and showy in August.
  Sericea. Blue fruit in October.
Eleagnus Longipes. Red fruit, larger than currants.
Euonymous Alatus. Red fruit, curious and attractive.
  Americanus. Fruit warty, rose color, scarlet seed coats.
  Linearis. Red fruit.
Lonicera in variety. Red and yellow fruit, showy.
Mahonia. Bluish berries in July.
Malus Arbutifolia. Bright red fruit, persisting until late winter.
Othello Plum. Purple fruit.
Rhamnus Catharticus. Black fruit.
Rhodotypos. Small black fruit.
Sambucus in variety. Purple and black fruit.
Symphoricarpus Occidentalis. White berries.
Symphoricarpus Racemosus. White berries.
  Vulgaris. Red berries.
Viburnum Acerifolium. Black fruit.
  Cassinoides. Black fruit.
  Dentatum. Scarlet fruit.
  Lantana. Red fruit.
  Opulus. Red fruit in clusters, very ornamental.

Shrubs Suitable for Planting in Shady Situations

Artemisia Abrotanum.
Berberis in variety.
Ceanothus Americana.
Clethra Alnifolia.
Cornus Alternifolia.
  Stolonifera aurea.
Deutzia Gracilis.
  Lemoinei.
  Scabra.
Forsythia Viridissima.
Hydrangea Arborescens snowball.
Ligustrum Regelianum.
Mahonia Aquifolia.
Ptelea Trifoliata.
Philadelphus Coronarius.
  Grandiflorus.
Ribes Alpinum.
Symphoricarpus in Variety.
Viburnum Cassinoides.
  Dentatum.
  Tomentosum.

KOSTER'S BLUE SPRUCE

HARDY EVERGREENS

JUNIPERIUS (Red Cedar or Savin)

A group of evergreens of great beauty and adaptability. Fine for specimens on lawns and landscape planting.

Hibernica. (Irish Juniper.) An erect form with upright branches growing very close to the main stem, giving it quite a distinct column appearance. 15 in., **each 60c to 75c.**

Virginiana Glauca. (Blue Virginia Cedar.) A strong growing variety with silvery blue foliage; makes a splendid tree. 15 to 18 in., **each 60c to 75c.**

PICEA (Norway Spruce)

Evergreen trees of pyramidal growth, very hardy and especially suited to middle western and northern states.

Excelsa. A tall and beautiful tree, most widely grown of all the Spruces, equally adaptable to planting as specimens on lawn, for shelter or windbreak. 12 to 18 in., **each 30c; 100 $18.00.**

Excelsa Nigra. (Black American Spruce.) A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 12 to 15 in., **each 40c.**

Pungens Glauca Kosteriana. (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

	Each		Each
18 in.	$ 2.50 to $ 3.00	4 ft.	$ 8.00 to $ 9.00
2 ft.	4.00 to 5.00	5 ft.	10.00 to 12.00
2½ ft.	5.00 to 6.00	5 to 6 ft.	12.00 to 18.00
3 ft.	6.00 to 7.00	6 to 7 ft.	20.00 to 35.00

PINUS (The Pines)

Austriaca. (Austrian Pine.) A tall fast-growing tree, fine for lawn or planting for shelter. 6 to 10 in., **each 50c.**

Montana. (Swiss Mountain Pine.) A dwarf growing pine, especially adaptable for planting in rock gardens or for small gardens. Very hardy. 8 to 12 in., **each 60c.**

Mughus. (Dwarf Pine.) A low growing, handsome shrub, with bright green leaves and grayish brown cones; good for rockeries and small gardens. 6 to 10 in., **each 60c.**

Strobus. (White Pine.) A tall and very beautiful pine, foliage dark green. Very hardy. 10 in., **each 50c.**

THUJA (American Arbor Vitae)

Occidentalis. (American Arbor Vitae.) A beautiful native tree commonly known as the White Cedar; especially valuable for screens and hedges. 10 to 15 in., **each 35c;** 15 to 20 in., **each 50c.**

APPLE, YELLOW TRANSPARENT

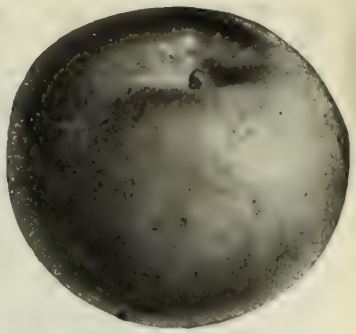
QUANTITY PRICES

Where price per tree is	We supply 3 for	Per dozen
$0.35	$1.00	$ 3.75
.40	1.10	4.25
.45	1.20	4.60
.50	1.35	5.25
.60	1.70	6.50
.75	2.10	8.00
1.00	2.75	10.00
1.25	3.25	12.00

Prices do not include prepayment.

PEAR, KIEFFER

PEACH, ELBERTA



APPLE, BALDWIN

Certificate of Inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all freight and express shipments.

CHOICE FRUIT TREES

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

APPLE TREES

Baldwin. Large, bright red, crisp, juicy, and rich. Tree vigorous, upright and productive. One of the most popular and profitable sorts for either table or market. December to March. 5 ft. **50c,** 7 to 8 ft., **75c;** 8 to 9 ft., extra strong, **$1.50** to **$2.00.**

Ben Davis. Large, handsome shaped, valuable winter apple. 5 ft., **50c;** 7 to 8 ft., **75c;** 8 to 9 ft., extra strong, **$1.50** to **$2.00.**

Bismarck. Dwarf growing, early bearing, 3-year-old fruit trees. 3 ft., **40c;** 5 ft., **50c.**

Duchess of Oldenburg. Yellow and red, juicy. Autumn. 5 to 6 ft., **50c;** 6 to 7 ft., **60c;** 6 to 7 ft., extra heavy, **$1.00;** 8 to 10 ft., **$1.50** to **$2.00.**

Early Harvest. Of medium size; color pale yellow; flavor mild; a good bearer; one of the first to ripen. End of August. 4 to 5 ft., **60c.**

Grimes Golden. Good size, yellow; of highest quality. Very productive. September. 5 ft., **40c;** 5 to 6 ft., **50c;** 7 to 8 ft., heavy, **75c** to **$1.00.**

Jonathan. Medium, red; extra quality. Winter. 4 to 5 ft., **40c.**

Maiden's Blush. Pale yellow with red cheeks; flavor tender and pleasant; a free grower and good bearer. Valuable market sort. September and October. 5 to 6 ft., **50c;** 6 to 7 ft., selected, **75c;** 8 to 10 ft., extra heavy, **$1.00** and **$1.50.**

Northern Spy. Large, striped, sub-acid. Winter. 5 to 6 ft., **50c.**

Northwestern Greening. Hardy, yellow, rich and good keeper. Winter. 5 to 7 ft., **50c;** 5 to 7 ft., selected, **75c;** 6 to 7 ft., **$1.00;** 7 to 9 ft. specimens, **$1.50** and **$2.00.**

Red Astrachan. Large beautiful deep crimson; one of the best summer apples, 5 to 6 ft., **50c;** 6 to 7 ft., **75c;** 7 to 9 ft. specimens, **$1.00** and **$1.50.**

Salome. Medium and uniform size, good quality, long keeper. Winter. 6 ft., **50c;** 7 to 8 ft., **75c;** 8 to 9 ft. specimens, **$1.00** and **$1.50.**

Snow. (Fameuse.) Deep crimson, medium, flesh white, of best quality. 4 ft., **60c.**

Tolman Sweet. Medium, yellow and red, rich. Winter. 6 ft., **60c;** 6 to 7 ft., **75c;** 8 to 10 ft., extra strong, **$1.00** and **$1.50.**

Walbridge. Handsome striped red, medium. Winter. 5 to 6 ft., **50c;** 8 to 9 ft., extra strong, **$1.50** to **$2.00.**

Wealthy. Large red, sub-acid, productive. Winter. 6 to 7 ft., **50c;** 7 to 8 ft., extra strong, **75c;** 8 ft. specimens, **$1.00** and **$1.50.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. December to May. 5 to 6 ft., **60c;** 6 to 8 ft., extra fine, **$1.00** and **$1.25.**

Wolf River. Large yellow striped and shaded red, juicy. Winter. 5 ft., **45c;** 5 to 6 ft., **60c;** 6 to 7 ft., **$1.00** and **$1.50.**

Yellow Transparent. Earliest and best, white, tender and juicy; sub-acid; late summer. 5 ft., **40c;** 5 to 6 ft., **50c;** 6 ft., selected, **75c;** 7 ft., extra strong, **$1.25;** 8 to 10 ft. specimens, **$1.75** to **$2.50.**

CRAB APPLE TREES

Hyslop. Large, deep crimson; one of the most beautiful of Crabs. October. 5 ft., **40c;** 6 ft., **60c;** 6 to 8 ft., extra strong, **75c;** 8 to 10 ft. specimens, **$1.75** to **$2.25.**

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., **45c;** 6 to 7 ft., selected, **75c.**

Transcendant. Immensely productive, bright red; one of the most popular. September and October. 6 to 7 ft., **75c;** 8 to 10 ft. specimens, **$1.50** to **$2.00.**

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 6 ft., **60c;** 7 to 10 ft. specimens, **$1.00** to **$1.25.**

CHERRY TREES

Dyehouse. Very early and sure bearer; ripens a week before Early Richmond. June. 4 to 5 ft., **45c;** 6 to 7 ft., **75c** to **$1.00.**

Early Richmond. Dark red, juicy, rich acid, good, hardy bearer. June. 4 to 5 ft., **45c;** 5 to 6 ft., **75c;** 6 to 8 ft. specimens, **$1.50.**

English Morello. Fair size, blackish red, rich acid, juicy, good. August. 4 to 5 ft., **50c;** 5 to 6 ft., **75c.**

Montmorency. Large red, acid, about 10 days later than Early Richmond. Very prolific and hardy. 4 to 5 ft., **45c;** 5 to 6 ft., **75c.**

Windsor. The fruit is very large, of dark liver color, good quality; very hardy. July. 4 to 5 ft., **50c.**

Wragg. Dark purple, fine quality; medium. July. 4 to 5 ft., **50c.**

PEACH TREES

Champion. Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. Large yellow; of excellent quality. Very vigorous and prolific.

Crawford's Late. Very large and productive, yellow; ripens about the close of the peach season.

Crosby. One of the hardiest; abundant bearer, bright yellow. September.

Elberta. Large, yellow; one of the leading market varieties. September.

Wonderful. Freestone peach; rich, golden yellow, overspread with rich carmine.

Price, any above, nice trees, 4 to 6 ft., **each 35c; 3 for $1.00; per 100, $25.00.**

PEAR TREES

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. 4 to 5 ft., **50c.**

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 5 to 6 ft., **50c;** 6 to 7 ft., **75c;** 8 to 10 ft. specimens, **$1.00 to $1.50.**

Duchess. A fall pear, large fruit, rich and juicy. A popular market variety. 3 to 4 ft., **75c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. Autumn. 4 to 5 ft., **45c;** 5 to 6 ft., **70c.**

Kieffer. Good for preserving and canning; extra large; good bearer. October. 5 to 6 ft., **40c;** 6 to 7 ft., **60c;** 7 to 9 ft., **$1.00.**

Koonce. Thoroughly tested for several years. Has produced good crop when all other varieties were killed by frost. Fruit medium to large yellow with carmine cheek; quality good; ripens in time for the earliest market. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 6 to 8 ft., **75c;** 8 to 10 ft. specimens, **$1.00** to **$1.50.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand and pickle. 4 to 5 ft., **50c;** 5 to 6 ft., **75c.**

PLUM TREES

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. 5 ft., **35c;** 6 to 7 ft., **50c.**

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; bears young; fruit large, excellent quality, cherry red with lilac bloom. August. 5 ft., **35c;** 6 to 7 ft., **50c.**

De Soto. Very hardy, bright red. 5 to 6 ft., **40c;** 6 to 7 ft., selected, **75c.**

Wolf. Very popular, large, immensely productive. August. 5 ft., **35c;** 5 to 7 ft., selected, **75c.**

QUINCE

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 ft., **60c;** 4 to 5 ft., specimens, **$1.00** to **$1.25.**

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES AND OTHER FRUIT TREES

We import these on advance orders only from one of the best and most reliable growers in England. Prices on application.

ABOUT PRUNING

When trees are dug in the nursery, a portion of the roots are broken or cut off and the balance that existed in the structure of the tree is deranged. It is therefore necessary that the branches be pruned. Fruit trees from 5 to 7 ft. in height usually have clear stems varying from 3 to 5 ft., with the branches forming a head. The branches must all be cut back to within three or four buds of their base. All broken or bruised roots must be cut off smoothly to the sound wood. In case of larger trees the pruning must be in proportion.

We shall be glad to prune fruit and other trees ready for planting if requested in that case, however, our customers cannot expect to receive trees that answer our specifications as to height, since they are for trees not pruned.

CHOICE SELECTION OF SMALL FRUITS

BLACKBERRIES

Price, each 10c, per doz. 75c, per 100 $3.00.
If to go by mail, add 35c per 100 for postage.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black.

SNYDER. Extremely hardy, enormously productive, medium size, no hard, sour core; sweet and juicy.

STONE'S HARDY. Best variety for the north; fruit rich and melting.

CURRANTS

If to go by mail, add **25c per doz.** for postage on 2-year plants. 3 year plants **should be expressed.**

BAR-LE-DUC. (White.) This excellent Currant bears clusters which have from 12 to 14 large white berries, which are very sweet. The berries are whitish and not yellowish like other white currants.
2-year bushes, **each 50c, doz. $5.00.**

BOSKOOP GIANT. (Black.) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. We offer strong plants, 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, **each 30c, 3 for 80c, doz. $3.00.**

FAY'S PROLIFIC. (Red.) The leading market variety.

LEE'S PROLIFIC. (Black.) One of the best for general use.

NORTH STAR. (Red.) It is bright in color and is the **sweetest and best flavored currant known.** It is an early and prolific bearer.

PERFECTION, NEW. (Red.) Very large. A cross of the famous Fay's Prolific and the white grape; originated by Mr. Chas. G. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness.
2-year, **each 35c, 3 for 90c, doz. $3.50.**

RED DUTCH. The old well-known red currant.

WHITE DUTCH. The well-known white currant.
Price (except where noted) 2-year, **each 15c, 3 for 40c, doz. $1.50.**

THE PERFECTION CURRANT

STRAWBERRIES

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Thus planted the (*) sorts are the most productive.

AUG. LUTHER. Early well-known standard variety, good grower and reliable. Fruit large, glossy, bright red, firm and of good quality.

BRANDYWINE. Late berries large. One of, if not the best, well tested varieties for both home and market use.

CLIMAX. This is the best early variety now on the market. A good size, good color and very productive, which most real berries lack.

CLYDE. Early. The most productive variety yet introduced. Immense size. A fine berry for home market.

GANDY. Late. One of the best varieties in cultivation. Berries large, of fine form and excellent quality. Flesh firm.

HAVERLAND. A mid-season berry with long and good colored fruit. Very prolific and heavy cropper.

JOHNSON'S EARLY. Early. Desirable, very prolific and healthy grower, fruit large, of good form and color, and delicious flavor.

NICK OHMER. Mid-season. Very large, dark glossy, red, firm and perfect in shape. Enormous yielder and of excellent flavor.

PRIDE OF MICHIGAN. Mid-season. Fruit medium to large, of a dark glossy red color. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. Mid-season. Vigorous. Fruit large and attractive in form, deep red to the center. Begins to ripen early and continues nearly a month.

SAMPLE. (*) Late. Good bearer, with large roundish berries of firm flesh, bright red color.

UNCLE JIM. Mid-season. There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season.

WALDORF. (New.) Early vigorous foliage, strong grower and very prolific, exceeding in productiveness any variety in clutivation. The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent and a splendid shipper. An ideal Strawberry either for home use or for the market gardener.
Doz. 50c, per 100 $2.00.

Price per doz. 35c, 100 $1.25, postpaid; per 1,000 $8.00 by express. For Spring delivery only.

SPECIAL OFFER No. 792 A Strawberry collection. 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, **prepaid $1.25.**

STRAWBERRIES FOR SEPTEMBER AND OCTOBER DELIVERY

Strawberry Runners, as list, $2.00 per 100.
Strawberry Pot Plants, as list, $3.50 per 100.

NEW STRAWBERRY

PATAGONIA

ONE OF BURBANK'S NEWEST CREATIONS

Strong plants with large, firm foliage, never sunburning, bearing stiff, branching stalks which hold the uniformly large berries free from the ground. Fruit abundant, fine scarlet in color with pale yellow flesh. Firm and a good keeper, of fine pineapple flavor, which can be eaten by everyone. A home berry, ripening early, and prolific during a long season. **Each 10c, Doz. 75c.**

CAMPBELL'S EARLY NIAGARA

GOOSEBERRIES

DOWNING. Largest of our native Gooseberries; pale green; very sweet.

HOUGHTON. Well known, medium size, pale red, very productive.

INDUSTRY. It is one of the heaviest croppers. The fruit is of largest size, very early and sweet.

KEEPSAKE. A very large, straw-colored variety of the finest quality and largest size. Its abundant foliage pretects the fruit.

RED JACKET. It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality.

Price, 2-year plants, **by express, each 25c, 3 for 65c, doz. $2.50.** 3 year plants, **by express, each 35c, 3 for 65c; doz., $3.50.**

GRAPES

CAMPBELL'S EARLY, King of American Grapes. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. Price, 2-year-old vines, **by express, each 30c, 3 for 80c, doz. $3.00,** 3-year-old, **by express each 40c, 3 for $1.10. doz. $4.00.**

BRIGHTON. Dark red, bunches large; medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself.

CATAWBA. Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. Well known, reliable, deep purple.

DELAWARE. Bunches small, compact, shouldered; small, round; skin thin, light red; flesh very juicy.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp. A fine variety for both market and home garden.

NIAGARA. Vine hardy; unusually strong grower; bushes large and compact, mostly round; light greenish white, semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

MOORE'S EARLY. Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific. It large size and earliness render it desirable for an early crop.

WORDEN. Black, handsome, compact bunch; ripens three weeks earlier than Concord.
Price (except where noted) 2-year, **by express, each 20c, 3 for 55c, doz. $2.00;** 3-year extra heavy, **by express, each 30c, 3 for 80c, doz. $3.00.**

SPECIAL OFFER No. 772 The set of 9 grapes, 2-year, for **$1.50,** by **express.**

SPECIAL OFFER No. 782 The set of 9 grapes, 3-year, **$2.00, by express.** Includes the new Campbell grape.

RASPBERRIES

Add for postage, 10c per doz., 50c per 100.

"THE HERBERT RASPBERRY." (New.) A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. **Per doz. $1.25, 25 for $2.00.**

COLOSSAL. Truly colossal, plant and fruit, and ironclad in hardiness; dark red berries of a sprightly, sub-acid flavor.

COLUMBIAN. Valuable and profitable. The fruit is cone-shaped, of dark red, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. Large Black Cap; heavy bearer.

LOUDON. The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

KANSAS. The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER. Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.
Price (except where noted) **each 10c, 3 for 25c; doz. 75c, per 100 $3.00.**

VAUGHAN'S DECORATIVE PLANTS FOR PORCHES, VERANDAS, Etc.

AUCUBA JAPONICA

St. Joseph, Mich.
Vaughan's Seed Store, Chicago:

The plants that I purchased of you came today in excellent condition. The Honeysuckle is especially fine, and the Roses are much nicer than some received by my neighbors from other parties.

F. L. Pixley

WINDOW BOX
36 in. long planted with 10 plants of Bush Box 12 to 15 in. size

AUCUBA JAPONICA

A valuable decorative plant worthy of more attention. Very suitable for hall or porch decoration. The foliage is large, of rich glossy green, thickly spotted with yellow, increasing in beauty as it grows older.

15 to 18 in. high (by exp.) **$1.00 each, 3 for $2.75**
24 to 30 in. high (by exp.) **2.00 each, 3 for 5.50**

If wanted in tubs add **50c** to the above prices.

BAY TREES—Laurus Nobilis

For decorative purposes these stately plants cannot be excelled. Nothing can approach them as effective plants for decorating entrance halls or piazzas. We have on hand at all times, a large stock of fine plants grown in standard and pyramidal form.

Standard Bay Trees

Stem.	Crown	Each	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	28 in.	12.00	22.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

Dwarf Standards

Stem	Crown	Each	Pair
12 in.	30 in.	$10.00	$18.00
18 to 20 in.	24 in.	9.00	16.50
24 to 30 in.	24 in.	10.00	18.00

Pyramid Bay Trees

Height	Base	Each	Pair
5 ft.	24-26 in.	$10.00	$18.00
6 ft.	26-28 in.	15.00	28.00

BOX TREES

These plants are sheared in compact pyramidal and globe form, and make very beautiful specimens, which are desirable for the same purposes as the Bay Trees and are not as expensive. Prices include trees planted in nice new green tubs.

	Each	Pair
2½ ft. Pyramid	$ 2.50	$ 4.50
3 ft. Pyramid	3.00	5.50
3½ ft. Pyramid	4.00	7.00
4 ft. Pyramid	5.00	9.00
5½ ft. Pyramid	8.50	16.00

Standards

Stem	Crown	Each	Pair
18-26 in.	18-20 in.	$ 3.50	$ 6.50
18-26 in.	24 in.	5.50	10.00

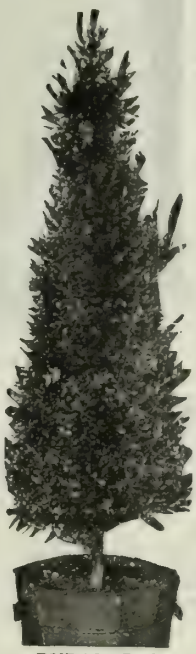
Globe Shaped

Stem	Crown	Each	Pair
15 in. high	15 in. diameter	$ 3.50	$ 6.00
18 in high	18 in. diameter	4.00	7.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in.	$0.40		$3.50	$30.00
18 in.	.85	1.60	9.00	
24 in.	1.50	2.50		
30 in.	3.00	5.50		

STANDARD BAY TREE



PYRAMIDAL BOX TREE

GLOBE SHAPED BOX TREE

SURPRISE COLLECTIONS OF CHOICE PLANTS

We devote 28 large greenhouses to the cultivation of decorative and flowering plants, supplying, as we do, commercial florists all over the country. To be well prepared for the season's orders, we propagate largely of nearly all the plants we grow.

For reasons readily understood, many excellent kinds often show an overstock toward the close of each season and, for lack of room, must be disposed of. To do this quickly and make room for our Summer stock, we offer for May planting these splendid Collections, regardless of value. Remember none of these are poor plants or inferior kinds in any way, but are often **high-priced** varieties.

All orders for these Surprise Collections will be acknowledged and entered on our books as received. We shall commence sending out the same by **MAY 20,** except where noted, and all will be sent within two or three days from date. We cannot send them out before the above mentioned date.

If sent by express or purchased at our Chicago Store we will furnish larger plants than if sent by mail and leave more earth on the roots; the price, however, will be the same. We cannot permit any changes in the composition of these collections nor in the time of delivery.

Surprise "Canna" Collection

This collection contains
10 DIFFERENT VARIETIES
OF THE NEW EVER-BLOOMING CANNAS
Ready May 20th
For 75c, prepaid

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved, 8 of the best large-flowering new kinds from our famous World's Fair Collection, one of the best in America.

Surprise "Dahlia" Collection

Ready May 20th
12 for 75c, prepaid

We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. This collection would be cheap at double the price.

Surprise Collection Bedding Plants

Ready May 20th

20 different varieties of bedding plants, such as Ageratum, Lobelia, Verbena, Begonias, Cosmos Geraniums, Cannas, etc.

For $1.00 by express at your expense

Surprise Shrub Collection

Ready May 1st

For $1.00 we send 6 Hardy Ornamental Shrubs, our selection of sorts, 2 to 3 feet high, by express at your expense. These will be first-class bushes.

Surprise Collection Garden Roses

(See page 104)

Surprise "Geranium" Collection

Ready May 20th
10 BEAUTIFUL GERANIUMS
For 60c, prepaid
All colors, single and double

Surprise Chrysanthemum Collection

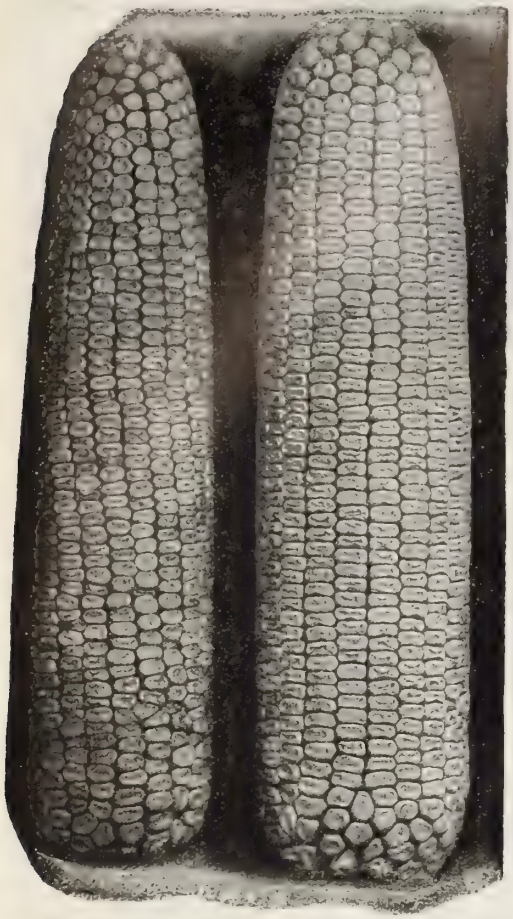
10 CHRYSANTHEMUMS
ALL DIFFERENT AND DISTINCT SORTS
Ready May 20th
For 50c, prepaid
This collection will be made up of best sorts only

Surprise Collection Hardy Perennials

Ready May 1st

For $1.00 we will send by express, at buyer's expense, 20 **Choice Hardy Perennial plants,** all different, regular price $1.50 per dozen.

VAUGHAN'S PEDIGREE SEED CORN



Leaming *Reid's Yellow Dent*

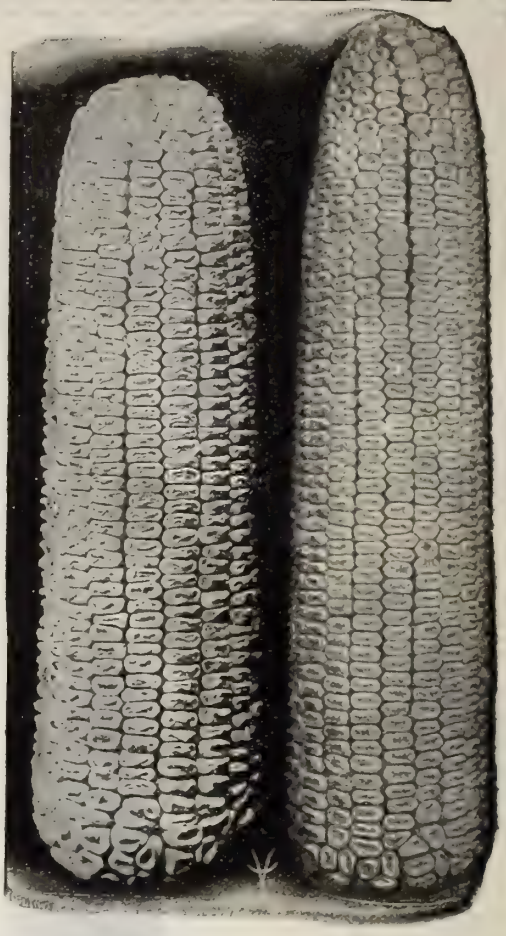
Vaughan's Pedigree Seed Corn is the cream of the product of the best seed corn growers, who specialize on particular varieties. The best Seed Corn of a certain variety must be obtained from the locality in which that variety does its best and to which it is particularly adapted. Our growers are recognized leaders in growing their respective varieties. They know all about the latest theories of Corn breeding and practice them.

We plainly state where each Corn has been grown, for it must be borne in mind, Seed Corn produces best planted under similar climate and soil conditions to which it was originally raised. Order Seed Corn early that you may test it for yourself.

REID'S YELLOW DENT,

Pedigreed Stock.

The standard Yellow Dent Corn for Northern Central Illinois, Northern Iowa and like climates in Indiana and Ohio. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, very slowly tapering; about 7 inches around; 18 to 24 rows, with narrow space between; kernels light yellow. Our strain is slightly rough, tapering very slightly; cob medium. Matures under favorable conditions in 110 to 115 days. Much planted in Northern Illinois and Southern Wisconsin, but always at the risk of not maturing. Our breeder has won first prizes in competition with the best growers at the Springfield State Fair and National Corn Show. Grown in Central Illinois. Our crates of selected ears cannot be beaten anywhere. **Selected ears, bushel crate, $3.00, three for $8.50. Shelled corn, selected, tipped and butted, ½ pk 35c, pk 60c, bu $2.25, 4 bu lots $8.50, 10 bu lots $20.00. Postpaid, large pkt 10c, pt 20c, qt 30c.**



Iowa Silver Mine *Boone County White*

BOONE COUNTY WHITE, Pedigreed Stock. This is the best type of White Dent Corn for the Central Corn belts—such as Central and Southern Illinois and South Central Iowa. At the Springfield Fair this corn is always a winner in the White classes. The corn has been bred for very large ears and consequently matures rather slowly—about one hundred and twenty days of good weather. Tips do not fill as well as some varieties; however, our strain has been selected to improve this fault, as can readily be determined by the ears in our crates. The ear tapers slowly, length usually 10 inches; circumference, 7½ inches; 16 to 22 rows, medium space between; the kernels are broad and somewhat rough; the cob is white and of medium size. Our strain has won many prizes—grown in Central Illinois. **Selected ears, per crate, $3.00; 3 bu., $8.50.**

SHELLED CORN—Selected, tipped and butted ½ peck, 35c; peck, 60c; bu., $2.25; 4 bu. lots, $8.50; 10 bu. lots, $20.00. Postpaid, large pkt., 10c; pint, 20c; quart, 30c.

LEAMING IMPROVED. (See illustration.) Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium spaces between; well filled and rounded tips and butts; kernels yellow and wedge shaped; cob red, of medium size. The stalks are of good size and in New York and New England used a great deal for ensilage. Our seed is grown from prize stock in the central corn belt. **Shelled, selected, tipped and butted, price, peck, 60c; bu., $2.00; 4 bu. lots, $7.50. Postpaid, large pkt., 10c; pint, 20c; quart, 30c.**

GOLD MINE. A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. A 110 day corn. Our seed is carefully selected, grown by a noted breeder in the West Central Corn section, a specialist on this excellent variety. **Shelled, selected, tipped and butted, price, peck, 55c; bu., $2.00; 4 bu. lots, $7.50. Postpaid, pkt., 10c; pint, 20c; quart, 30c.**

IMPROVED CALICO. This is a good feeders' corn—the ears are of good size, usually nine to ten inches; the color of the corn varies a great deal from dapple yellow to a deep red. The ears taper slowly, 7 to 7½ inches around; about 20 rows, medium spaces; cob fair size and red. Suitable only in a central corn belt, requiring 110 to 115 days to mature. Height is medium, with abundant foliage, making it desirable for ensilage. Our corn is a good strain, raised in the best central corn section. **Shelled, selected, tipped and butted, price, ½ peck, 35c; peck, 60c; bu., $2.00; 4 bus., $7.50. Postpaid, pkt., 10c; pint, 25c; quart, 35c.**

SILVER MINE. (See illustration.) One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Originated in Ford county, Illinois, and introduced in Iowa. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7¼ inches; kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. **Peck, 60c; bu., $2.00; 4 bu., $7.50. Postpaid, pkt., 10c; pint, 20c; quart, 30c.**

HICKORY KING. A fine sort for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed. **Shelled, peck, 55c; bu., $1.75; 4 bu., $6.50. Pkt, 10c; pint, 20c; quart, 35c, postpaid.**

POP CORN. ***Selected Ears for Seed.***

BLACK BEAUTY. (New) An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. This new variety has been bred in Wisconsin and is extremely early, ripening so it may be popped the same season as grown without kiln drying. **Pkt, 10c; ½ lb, 20c; lb, 30c, postpaid. By express, lb, 20c; 5 lbs, 90c; 25 lbs, $4.00.**

Price of any of the following kinds of Pop Corn, postpaid, pkt 5c; ½ lb, 12c; lb, 20c. Not prepaid, lb, 12c; 5 lbs, 40c; 10 lbs, 65c; 25 lbs, $1.40; 100 lbs, $5.00.

ILLINOIS SNOWBALL. An improved variety, very prolific; a fine sort for home use.

WHITE RICE. The most popular for general use. The grain is pointed, pops white, is full.

MAPLEDALE PROLIFIC. A great yielder. It pops pure white.

QUEEN'S GOLDEN. It pops perfectly white, and a single kernel will expand nearly one inch.

We sell full bushels only in crates.

(Write for free copy of Vaughan's Corn Belt Map (1885) showing where these and other corns will mature.)

THE ABOVE PRICES ARE AS LOW AS WELL BRED, SELECTED SEED CORN CAN BE OFFERED.

FIELD OF EARLY CORN ON THE VAUGHAN FARM, NEAR HOMEWOOD, ILL.

FIELD CORN—Early Varieties

NORTHERN GROWN

Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu), include all the earliest Dent varieties and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred type in existenee.

It is now universally recognized that the so-called 90-Day or Early Corn grown in Southern localities require twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.

Good Seed Corn is scarce this year on account of last season's drought and poor drying weather this Fall.

MADISON YELLOW DENT

MADISON YELLOW DENT (See illustration.) This Corn is, we believe, the best Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. Matures in 100 days of ordinary corn weather, and is a wonderful yielder. The ear is smaller than Reid's Yellow Dent, but much resembles it otherwise. Ears 8½ inches long, 16 rows, dark red cob. As near a pure bred corn as can be found in any Northern Corn Belt. It has yielded well, and in nearly every case better than all local corns, wherever we have sold it in above sections in the last five years. It is the most even and handsome appearing Early Dent Corn. Our strain is grown on our own farms in Central Michigan and Northern Illinois and under our direct supervision in the same localities. We offer ears in 1 bushel crates or shelled. **Prices of ear corn, bu $3.50. Shelled, from selected ears, ½ pk 35c, pk 60c, bu $2.25, 2 bu or over $2.00 per bu. Postpaid, Pkt 10c, pt 25c, qt 40c.**

MINNESOTA No. 13 or WISCONSIN No. 8 A heavy yielding, extremely Early Yellow Dent Corn. It matures in 90 days of corn weather. Stalks are quite tall and this variety furnishes a large amount of fodder. Grows to a height of 8 ft. on good soil. Ears medium size. 8 in. long, 16 rows, and tapers toward the tip. The kernels show a good Dent type and are of fair depth. It is not as well bred as yet as Madison Yellow Dent. It is, however, about 10 days earlier. **Central Michigan Grown Shelled, from selected ears, ½ pk for 40c, pk 70c, bu $2.50. We have a few crates of selected ears at $3.50 per bushel.**

SILVER KING or WISCONSIN No. 7 (See illustrstion.) Matures in 100 to 105 days. Introduced the last four years by Prof. Moore of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 in., usually 16-rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin. **Northern Illinois, shelled from selected ears, ½ peck 40c, peck 70c, bushel $2.50. Postpaid, pkt 10c, pint 25c, quart 40c. On the ear, per bushel crate $3.25.**

PRIDE OF THE NORTH Well known Early Yellow Dent. Will ripen in Northern Illinois and Iowa. Will mature in 90 to 95 days of good even weather. Type varies. Grown in Northeastern Nebraska. **Price, shelled, peck, 60c, per bu $2.00, 2 bu $3.75, including bags. Postpaid, pkt 10c, pint 25c, quart 40c.**

THE "CHAPMAN" CORN An early, pale yellow, deep grained, superior shelling, light-capped Dent corn, bred by the Chapman family, first in Northern Ohio, beginning in 1818, and after 1845 in Michigan, where its high reputation is well known. A certain maturing, high yielding corn for Northern Illinois, Indiana to Central Michigan and Wisconsin. Michigan seed from H. S. Chapman, Cassopolis. Similar in shape and size tc Madison Yellow Dent. **Shelled, ½ peck, 40c; peck, 75c; bu., $2.50; crates, on ear bu., $3.50.**

GOLDEN SURPRISE. Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. **Price, ½ peck 35c; peck 60c; bu $2.00; 2 bu $3.75.**

DAKOTA SUNSHINE DENT. Matures in better than 90 days. Ears 7 in., quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. **Dakota-grown shelled, ½ peck 45c, peck 75c, bu $2.50.**

FLINT VARIETIES.

RHODE ISLAND WHITE CAP FLINT. This is the White Flint variety used in New England for hominy and hulled corn; for table quality, flavor and sweetness it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder. **Price, shelled, pkt., 10c; pint, 25c; quart, 35c; peck, 55c; bu., $1.85.**

GIANT LONG FLINT. A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. **Price, ½ peck, 35c; peck, 60c; bu., $2.00; 2 bu., $3.75. Postpaid, large pkt., 10c; pint, 25c; quart, 35c.**

GOLDEN DEWDROP. A handsome bright, yellow, 8-rowed Flint. **Price, shelled, large pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 60c; bu., $2.00; 2 bu., $3.75.**

KING PHILIP. Reddish Flint. **Price, shelled, pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 60c; bu., $2.00.**

WILL'S JEHU 70-DAY. This is probably the earliest valuable Yellow Corn we have. It has won first premium in Dakota for the best Yellow for that climate. **Pkt., 10c; pint, 25c; quart, 40c, postpaid. By express, ½ peck, 50c; peck, 85c; bu., $3.00; 2 bu., $5.00.**

LONGFELLOW FLINT. A beautiful 8-rowed Yellow Flint. Ears from 10 to 15 inches long; very prolific. **Price, shelled, large pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 65c; bu., $2.25.**

SILVER KING

SMUTNOSE A standard Michigan variety. **Peck 60c, bu $2.00.**

FODDER CORN **Bags 25c each on Bushel Lots and Over.**

SWEET FODDER There is nothing better for Summer and Fall green feed or for curing for Winter than Sweet Corn; being sweet and palatable cattle eat every part of the stalks and leaves. Always a great favorite with dairy farmers and excellent for soiling. **Peck 75c, bu $2.50, 2 bu $4.75.**

Virginia Mammoth White Horse Tooth Well known everywhere. **Peck 45c, bu $1.35, 5 bu $6.35.**

"Red Cob" Ensilage or Fodder This selection has a great reputation for this purpose. It has a deep red cob, strong leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers. **Peck 40c, bu $1.15, 5 bu $5.35.**

ADD 20c PER BUSHEL TO ABOVE PRICES, IF ORDERED FROM NEW YORK STORE.

VAUGHAN'S FARM SEED DEPARTMENT

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of standard varieties and such new things as have been thoroughly tried and proven. All of our seeds are good samples, carefully recleaned and from most reliable sources and growers. Samples on request.

PRICES—The market on this class of seeds is changing constantly and prices given below are subject at all times to market changes. On account of our central situation in Chicago and New York, the two great trade centers, we can buy and sell as cheaply as any house in the United States. When our prices seem high, write for the latest market quotations.

SEED BARLEY

Oderbrucker Barley. (Wisconsin No. 55). A heavy yielding and plump six rowed variety. Introduced in 1906 by the Wisconsin Agricultural College. Through Prof. Moore of that College, this barley was given an exhaustive series of trials by many members of the Wisconsin Agricultural Experiment Association; the result showing an average yield of five to ten bushels more per acre than other six rowed sorts. It is now regarded as the best barley for localities similar to Wisconsin. Compared to the ordinary strains of Manshury Barley, its only competitor, Oderbrucker has a stiffer straw; is a better yielder and being a more vigorous grower is a better rust resister. The grain is large and plump and chemically analyzed shows a high protein content, making it exceptionally valuable for feed. One of the best also for malting purposes.

Our seed is a good sample, Wisconsin grown, from seed secured through the Wisconsin Agricultural Experiment Station. Sample on application.
Price pk 60c, bu $2.25, 10 bu $21.50. Add 22c each for 2 bu grain bags.

Manshury Barley. This is the standard six rowed barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw-bearing long plump heads. The grain is large and has no superior for malting purposes.

Our seed is very good this year, clean, bright and a heavy sample of the improved strain. **Price pk 60c, bu $2.25, 10 bu $21.50.** Add 22c each for 2 bu grain bags.

Success or Beardless. This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley, as it may be fed without danger of injury to the animals. The yield compares variety never runs entirely true to type. **Price pk 65c, bu $2.25, 10 bu $21.50.** Add 22c each for 2 bu grain bags.

White Hulless. This variety is strictly a feeding sort. It has a grain like that of wheat, with no beards or hulls. In feeding value it is almost equal to wheat and the yield is nearly twice as large. In the Northern states where Corn does not mature a crop, White Hulless barley is extremely valuable, as it produces a good quantity of feed and is very early. As a dry feed it has no superior.

The straw is heavy, with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This favorably with the bearded varieties. **Price pk 60c, bu $2.15, 10 bu $20.50.** Add 22c each for 2 bu grain bags.

BIRD SEED *Prices do not include postage*

We have facilities for supplying **Fancy Clean Bird Seeds** and Bird Foods; the best only, re-cleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture. These are prices by freight or express. If wanted by mail add 10c per lb.

BIRD SEED, VAUGHAN'S MIXED. Lb 10c, 5 lbs 40c, 10 lbs 75c.
BLUE MAW (Poppy). Per lb 25c, 5 lbs $1.00.
CANARY SEED. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
CUTTLEFISH BONE. Per lb 40c.
HEMP. Per lb 10c, 5 lbs 40c, 10 lbs 70c.
LETTUCE. Per ¼ lb 10c, lb 25c, 5 lbs $1.00.
MILLET, RECLEANED. Per lb 6c, 10 lbs 50c.
MOCKING BIRD FOOD. Per lb tin 35c.
RAPE. Per lb 10c, 5 lbs 45c, 10 lbs 80c.
SUNFLOWER. Per lb 10c, 5 lbs 40c, 10 lbs 75c.

PRINCIPAL GRAIN AND GRASSES OF THE CENTRAL STATES

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart. **Price, 1 oz 15c, ¼ lb 40c, lb $1.25, postpaid.**

COTTON 25 lbs. per acre

Medium Boll. We have fine seed of this type of cotton, from a careful Georgia grower. One of the best for the South Atlantic region. **Price, lb 15c, postpaid. By express, peck 75c, bush (40 lbs) $2.25.**

Large Boll. Selected Georgia Seed. **Lb 15c postpaid, peck 65c, bush (40 lbs) $1.75.**

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. The nuts grow under the ground very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 feet apart, and 8 to 10 inches apart in the row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre. **Pkt 10c. lb 30c, postpaid. By express, lb 25c, 10 lbs $2.00, 100 lbs $15.00.**

(See other pages for prices on Peanuts, Artichokes, etc.)

BROOM CORN

Improved Evergreen. The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre. **Price lb 25c. postpaid. By freight or express, 10 lbs 90c, 50 lbs $3.50, 100 lbs $6.50.**

Oklahoma Dwarf. An extra early sort. Average height about 5 feet. **Price 10 lbs $1.00, 50 lbs $4.25, 100 lbs $8.00.**

BUCKWHEAT

Market price changes. Write for quantity prices.

Buckwheat is mostly used for filling in fields remaining unplanted after the middle of June. It is well to bear in mind that on worn-out soils a plowed under buckwheat field is a great soil fertilizer and improver. Sow 25 lbs. per acre.

Japanese. A popular and standard sort. Very large grains of dark brown color. Early and heavy yielding. Choice recleaned seed. **Peck 45c, bush (48 lbs) $1.50, 2 bush or over $1.40 per bush, bags included.**

Silver Hull. A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flower it produces. Choice seed, **pk 50c. bu (48 lbs) $1.60, 2 bu or over $1.50 per bu, bags included.**

FLAX SEED

Flax is a very profitable crop on new land. Sow early, as soon as possible after danger of frost. To raise seed, sow one-half bushel per acre; for fiber, one bushel. Price subject to change. Recleaned seed, free from weeds, **peck $1.10, bush $3.75, bags included.**

SEED OATS

Note the Oat prices quoted here include Burlap bags, if wanted in grain bags, add 22c for each 2½ bushel order.

SWEDISH SELECT OATS.

SWEDISH SELECT (The Best Early Oats)

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States.

Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. **Price pk 45c, bu $1.30, 10 bu at $1.25 per bu, 2½ bu bags included.**

WHITE TARTAR OATS

WHITE TARTAR (Long's)

This early variety recently introduced in the Eastern States where it has made an enviable record has also done remarkably well in the West. On our own farms it has outyielded for two successive seasons both the Swedish and Lincoln varieties. It is a heavy oat with long stout straw which stands up well without lodging. The heads are large; the grains thick and heavy with a thin hull. We have a clean heavy lot of seed. **Price peck 40c, bu $1.40, 2½ bu $3.35, 10 bu $13.00, burlap bags free.**

LINCOLN

One of the most popular Oats in the great grain sections of Wisconsin and Minnesota. It is a very heavy yielder. Growth is strong; season comparatively early and a good rust resister. The grain has a thin hull, heavy meat and soft rib, making it especially valuable for milling into oatmeal as well as feeding. We have heavy Minnesota grown recleaned seed. **Price peck 40c, bu $1.35, 10 bu lots at $1.25 per bu, 2½ bushel bags included.**

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes. **Price peck 35c, bu $1.30, 10 bu lots at $1.20 per bu, 2½ bushel bags included.**

BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian grown seed. **Price peck 40c, bu $1.40, 3 bu in grain bags $4.00 bags included.**

WINTER TURF

Valuable for winter grazing and grain in the South. Its turfing and stooling qualities are remarkable, even when thinly sown soon spreads and covers the ground. Sow ½ to 2 bushels per acre. **Price lb 30c, 3 lbs 65c, postpaid. Not prepaid, peck 35c, bu $1.35.**

MILLETS Fancy Recleaned

Write us for market prices and samples on larger lots, because the market varies often. Price includes bags. Our Western headquarters put us in line in Millets, both for quality and price.

GERMAN OR GOLDEN Planted on good land produces a large crop of hay or forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices. **Bu $2.15, 100 lbs $3.75, bags included.**

HUNGARIAN GRASS Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu., 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices. **Bu $2.15, 100 lbs $4.00, bags included.**

JAPANESE MILLET Entirely distinct. It grows 6 feet, yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs. per acre; but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. **Lb 15c, postpaid. By freight or express, 10 lbs 70c, 50 lbs $2.75, 100 lbs $5.00.**

PEARL OR CAT-TAIL MILLET No other plant makes so much forage. Three succession cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre **¼ lb 10c, lb 25c, postpaid. By express, lb 15c, 10 lbs 85c, 100 lbs, $7.50, bags included.**

GERMAN MILLET

VAUGHAN'S FARM SEED DEPARTMENT

SUGAR CANE—Vaughan's Early Amber

The value of Sugar Cane as a green fodder crop is yearly becoming better known and appreciated by the dairy farmer. It is the best green food that can be grown for feeding cows, horses and young stock during the dry spells which we usually have in August and September. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than $1.00 invested for seed—sow 60 pounds to the acre.

We offer both northern and southern seed. Northern seed, **¼ lb 10c, lb 20c, postpaid; by freight or express, 10 lbs 60c, 50 lbs $2.75, 100 lbs $5.00.**

Southern seed for fodder purposes, **10 lbs 50c, 50 lbs $2.00, 100 lbs $3.50.**

KAFFIR CORN One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature (in climates similar to Central Kansas) a full crop of grain and a second full crop of forage by Oct. 15. For grain sow in rows 3 feet apart, 5 lbs. per acre. For fodder, sow three pecks broadcast. **Price per pkt 5c, lb 15c, 3 lbs 40c, postpaid. By freight or express, 100 lbs $2.75, bags included, 10 lbs 45c, 50 lbs $1.50.**

Dwarf Essex Rape

SPRING EMMER

Incorrectly called Speltz.

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high.

Lb 15c, 3 lbs 40c, postpaid; bu (40 lbs) $1.50, 5 bu at $1.40 per bu, bags included.

SPRING RYE A good catch-crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. **Price, peck, 50c, bu $1.60, bags included.**

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre. **Pkt 5c, ½ lb 15c, lb 25c, prepaid. By freight or express, 10 lbs 80c, 50 lbs $3.00, 100 lbs $5.50, bags included.**

MILO MAIZE A variety of sorghum, non-saccharine, growing stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs. per acre. **Lb 20c, postpaid. By freight or express, 10 lbs 50c, 50 lbs $1.75, 100 lbs $3.25.**

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation. **Pkt 10c, ¼ lb 15c, lb 25c, postpaid. By freight or express, 10 lbs 75c, 25 lbs $1.50, 50 lbs $3.00, 100 lbs $5.50, bags included.**

WHEAT—SPRING

Subject to market fluctuations. Write for prices. **2 bu grain bags 20c.**

Blue Stem A heavy yielding variety, very popular in the Northwest. Heads are large and well filled. Plants stool freely. Our seed is carefully selected. **Price, pk 60c, bu $2.25, 5 bu $10.75.**

Saskatchewan Fife A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat. **Price, pk 60c, bu $2.15, 5 bu $10.25.**

Macaroni or Durum We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts. **Price, pk 60c, bu $2.00.**

FARM BOOKS, By Mail, Postpaid.
See also List of Rural Books, page 149.

Farm Appliances. Illustrated. Very valuable, cloth	$0.50
Farm Drainage. French's. Cloth	1.00
Farm Gardening and Seed Growing. Brill. Cloth	1.00
Fertility, The, of the Land. By I. S. Roberts. Cloth; 415 pages	1.25
Fertilizers. By Prof. E. B. Voorhees. Cloth; 335 pages	1.25

Field of Early Amber Cane Grown in Central Michigan

MAMMOTH RUSSIAN SUNFLOWER

The Giant of all Sunflowers

This is the best variety for the farmer to grow. It reaches double the size of the common sort and yields twice as large a crop of seed. The seed is much used for poultry and parrot food and has a high feeding value. The leaves of the plant make a good fodder for all kinds of stock. Besides its value for poultry, the seed can also be fed to the horses and yields also a high quality oil. **Oz 5c, lb 10c, postpaid 20c; by express or freight 10 lbs 75c, 25 lbs $1.40, 100 lbs $5.00.**

GIANT SPURRY An annual plant extensively cultivated in Europe as a Winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil and valuable for forage. Sow 12 lbs. per acre. **Price per lb 30c, 3 lbs 75c, postpaid. Express, 5 lbs 75c, 10 lbs $1.25.**

TEOSINTE A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, postpaid.**

PEANUTS

Spanish The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants. **Pkt 10c, ¼ lb 12c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.**

Mammoth Virginia The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart. **Pkt 10c, ½ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.**

Jumbo or New Orleans Special This is the giant of the lower Mississippi Valley; surprises everybody. **Pkt 10c, ½ lb 25c, postpaid.**

Nitrogen Gathering Crops and Clovers

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

NEW VELVET BEAN A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop. **Price, 3 oz pkt 10c, ½ lb 20c, lb 30c, postpaid. By freight or express, ½ pk 75c, pk $1.25, bu $4.00, bags included.**

GIANT BEGGAR WEED (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre. **Pkt 10c, ¼ lb 20c, lb 60c, postpaid. By freight or exp., 5 lbs $1.85, 10 lbs $3.25.**

VAUGHAN'S SEED POTATOES

Have a good reputation of over twenty-five years' standing.
True to Name. Grown by only experienced and careful men.
Hand Sorted. Free from scab, the prongy and small stock thrown out.
Grown in the Far North. In the Red River Valley of Dakota.
PRICES RIGHT.—Our prices are low, quality considered.

FENUGREEK Annual. The seed is often sought by hostlers to give a temporary fire and vigor to their horses. Good for soiling. **Oz 10c, ¼ lb 15c, lb 30c, postpaid.**

LENTILS A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. **Lb 25c, postpaid. By express, 10 lbs $1.25.**

LUPINS, YELLOW Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre. **Lb 30c, postpaid. By freight or express, 10 lbs $1.40.**

SAINFOIN, or ESPARSETTE An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills. **Lb 30c, postpaid. By freight or express, 10 lbs $1.75, 50 lbs $8.00, 100 lbs $15.00.**

CLOVERS AND NITROGEN GATHERING CROPS

PRICES. Clover and Alfalfa prices often vary greatly from week to week according to market. The prices below represent fair market values when this book is printed and are subject to change. Purchasers of large quanties should write for latest prices.
Grain bags holding 2 bushels, 20c each extra.

ALFALFA OR LUCERNE

The best paying crop on the farm

Alfalfa once established is such a profitable crop that every farmer can afford to take great pains to obtain a stand. So much has been written concerning the high feeding value of this crop, its wonderful yields and fertilizing value to the land, it would be wasted time and space to go into details.

In the Eastern and North Central states there have been a great many failures in efforts to establish Alfalfa; however, with increasing knowledge of its needs, we find more successful plantings each year and it is safe to prophesy that within twenty years there will be a good sized field on nearly every farm. Farmers who have not tried the crop should begin with a small experiment and gradually increase the acreage.

Methods of planting vary greatly. In the East spring sowing has not been generally successful as weeds start earlier than Alfalfa, win the race and spoil the stand. A successful method has been to manure the alfalfa field in winter or early spring and harrow it with a disk. Harrow as early as possible. Let a plowing follow and afterwards disk at regular intervals. Disking is practiced to keep down weeds and to prevent hardening of the ground. After a thorough cultivation and harrowing, about the last of July, broadcast the seed about 20 lbs. to the acre. Harrow it in one inch. Do not sow on wet, acid or poor soils.

We offer American grown seed, raised in the Northwest and West on non-irrigated land. It is as free as possible from noxious weeds. Purchasers of Alfalfa should examine their seed carefully themselves, or submit samples to authorities like their State Experiment Stations, or better, the Seed Laboratory at Washington for analysis. **Lb 30c (by mail 38c), 10 lbs $2.25, 100 lbs 19.00**

TURKESTAN ALFALFA

Seed imported from Asia. It is generally regarded as more hardy than American seed. Uniform hardy seed is hard to obtain as there is a great variation in climate in Turkestan. Small plantings only recommended. **Lb 30c (by mail 38c), 10 lbs $2.25, 100 lbs $19.00.**

FANCY MEDIUM RED CLOVER

Clover seed this year is much higher than last owing to a bad winter and summer drought. Much seed is light, weedy and of poor germination. Sow the cleanest highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station or the United States Department of Agriculture Seed Laboratory at Washington for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre.

Price, January 20th, 100 lbs $25.00, bu $15.25, 10 lbs $2.85, 1 lb 30c (by mail 38c).

MAMMOTH RED CLOVER, FANCY SEED

Grows larger than the medium, does well on light thin lands. **Price Jan. 20th, always subject to market changes, 100 lbs $25.00, bu $15.25, 10 lbs $2.85, 1 lb 30c (by mail 38c).**

WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern states in the Fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a Winter cover crop, it prevents washing or leaching of soil during the Winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch also furnishes a very valuable hay or pasture.

Drill for cover crop, 10 to 20 lbs. per acre. For hay use, 1 bushel **Price lb 30c, postpaid. Bu (60 lbs) $7.35, 100 lbs $12.00.** Write for latest price in fall. **We are headquarters on this seed.**

WINTER VETCH

SPRING VETCH, or TARES

(Vicia Sativa—Oregon Vetch.) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. **Per qt 20c, pk 85c, bu $3.00. Bags 20c each, extra.**

CANADA FIELD PEAS

Very valuable in the Northern States for cattle feeding. Excellent for horses and pigs when sown with oats. With the present season's high prices for oats farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in at the rate of 2 bushels per acre, if sown with oats use one bushel. **Present price** (market fluctuates) **bu $2.75, 2 bu $5.25, 10 bu $25.00, includes bags.** Write for price on larger lots.

ALSIKE or HYBRID CLOVER

For wet, cold and stiff soils. Seed is small and plants a wider area than Medium or Mammoth. Sow 5 to 6 lbs. to the acre. **Vaughan's (V) Brand, lb 30c (by mail 38c), 10 lbs $2.50, bu (60 lbs) $13.00, 100 lbs $21.00.**

WHITE CLOVER

Mixed with other grasses. For lawn purposes this is very desirable on account of its creeping stems. It spreads rapidly and acts as a binder. Very hardy. In permanent pastures is of considerable value. Crop is extremely short this year. Extra fancy seed. **Lb 55c, (by mail 63c), 10 lbs $5.00, bu (60 lbs) $31.00, 100 lbs $50.00.**

Choice Seed. Clean, but not so bright as above. **Lb 45c, (by mail 53c), 10 lbs $4.25, bu (60 lbs) $24.50, 100 lbs $40.00.**

CRIMSON CLOVER

Annual crop much used in the East and South for soiling or pasture. It is being tried in the North. **Lb 25c (by mail 33c), 10 lbs $1.75, bu (60 lbs) $7.35, 100 lbs $12.00.**

BOKHARA or SWEET CLOVER

Used for soiling. Also valuable for planting near bees. **Lb 30c, (by mail 38c), 10 lbs $2.25.**

COW PEAS The Great Soil Improver

Market price unsettled. Write us for latest quotations.

More and more Cow Peas are planted every year as the farmer realizes more and more their great value as a soil enricher. The plant is a legume, and through the agency of the nitrogen producing bacteria on its roots adds this valuable plant food to the soil much cheaper than it is possible to obtain it in any other way. Cow Peas make excellent hay; should be cut and cured the same as Clover; then the stubble with its new growth may be turned under as a fertilizer. Kaffir corn sown with Cow Peas holds the vines off the ground, causing a better growth.

For those in the North who have had poor success with Cow Peas, we suggest the plant must have a warm, almost sandy soil. Where never grown before, the best results may be had in drilling the seed and cultivating at first as for field beans—the growth being quite slow at first; weeds get the best of things unless kept down.

NORTHERN GROWN COW PEA: Michigan Favorite A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. **Peck $1.40, bu $4.50.**

SOUTHERN BLACK EYE **Peck $1.00, bushel $3.50.**

WHIP-POOR-WILL **Peck 90c, bushel $3.25.**

Postpaid price all Cow Peas 35c per quart.

Write for latest market price on quantity of any of the above

SOJA OR SOY BEANS

A valuable legume somewhat on the order of cow peas. The dry beans and green forage furnish good feed, being high in protein; and, also like Clover, a nitrogen gatherer, enriching the soil. Used as hay when cut before the pods are fully developed. Also often grown with corn and used in silos. The beans are sown after all danger of frost, in drills 30 inches apart, and 3 or 4 inches apart in the row. One-half bushel is usually needed per acre.

SOUTHERN GROWN SOY BEANS Yellow. **½ peck 60c, peck 90c, bushel $3.25.**

Northern Grown. Write for prices and varieties.

Vaughan's High Grade Recleaned Grass and Clover Seeds.

Our endeavor is to handle only the very best and purest grass seeds. Our fancy grasses for lawns and golf courses, as well as our standard farm species, are direct from the producers and are the very best samples the market and season afford. We supply only the best and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish, to compete with half-cleaned, mixed and graded seed offered at cheaper prices. **We invite analysis and mircoscopic examination.**

Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our our best to maintain the prices below; **these figures are at all times subject to market changes.** Should these seem high, write for the latest quotations. Our locations, Chicago, the grass seed center of the United States, and New York, the largest importing center, put us in a position to quote the very lowest prices on the qualities we supply. Samples for the asking.

Prices below do not include postage. If desired by mail, add 8c per lb. Grain bags 25c each extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.

RED TOP GRASS (Agrostis Vulgaris).

KENTUCKY BLUE GRASS (Poa Pratense).

Fancy Seed. Agriculturally this is well called the King of all Pasture Grasses. However, it is not such a general purpose grass as is Red Top. Wherever this grass does well, generally on lime soil, land there at once commands a high price, as it becomes the animal breeder's ideal location. This grass requires some time to establish itself. For a couple of years should only be lightly grazed. Time for sowing depends on the locality. There are three principal times of sowing, in the Fall, in the early Spring and again in June. Sow three bushels (14 lbs. to the bu.) per acre. This seed should never be covered, but only rolled after sowing, as the seed germinates better in the light than in the dark. Our seed this year was specially saved for us by one of the largest Kentucky growers, is almost free from foreign and chaffy matter, and our tests show a very high percentage of germination. Purchasers should beware of cheap Blue Grass, as it is sure to be light seed or else mixed with the cheaper Canadian Blue Grass.

For lawn purposes it is the standard and superior to any other sort. Under favorable soils it will withstand all variations in weather and climate.

V Brand *Fancy Seed.* Actual weight 21 lbs per bu. sold at legal weight 14 lbs. **Lb 35c, 3 lbs $1.00, 5 lbs $1.65, bu (14 lbs) $4.75, 5 bu $23.00.**

Kentucky Blue Grass.

RED TOP GRASS (Agrostis Vulgaris).

This is one of the most generally useful agricultural grasses we have. It will grow upon every soil and give entire satisfaction to the farmer. It is not only a good meadow grass, but is one of the best pasture species, grazing being a benefit and almost a necessity for its perpetuation and preservation. In a moist soil it does the best, and in swampy places that would otherwise produce nothing in the grass line, Red Top will thrive with the greatest vigor. Where other grasses demand special soils, Red Top will do well, whatever is the character or location of the soil. Not so good as Timothy for hay, but as a combination for hay and then pasture, it is the best of nearly all the economic grasses. Sow alone or with a nurse crop. One bushel of chaff, or unhulled Red Top, or one-half bushel of Fancy Seed is sufficient to sow an acre.

For lawn purposes it is one of the very best, forming a low growing turf and germinating rapidly. Seed comes in two grades—the chaff or unhulled seed, weighing 14 lbs. to the bushel, and the fancy, re-cleaned from chaff, seed, weighing 32 lbs. to the bushel. Our seed is the cream of this year's crop, has been carefully re-cleaned and is free from noxious weeds and light chaff.

V Brand *Fancy.* Bushel, 32 lbs. **Lb 30c (by mail 38c), 10 lbs $2.75, 100 lbs $22.00.**

Common. Bushel 14 lbs. **Lb 20c, (by mail 28c), 10 lbs $1.75, 100 lbs $14.00.**

AGROSTIS CANINA (Rhode Island Bent Grass).

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow 3 to 4 bu. This seed is imported, and on account of poor crop conditions in Europe this season, is scarce. 14 lbs. to the bushel. **Lb., 35c (by mail, 43c); 10 lbs., $3.25; 100 lbs., $30.00.**

AGROSTIS STOLONIFERA (Creeping Bent Grass).

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample specially cleaned and heavy. Seed scarce. Sow 50 lbs. to the acre. 14 lbs. to the bushel. **Lb., 35c (by mail 43c), 10 lbs., $3.25; 100 lbs., $30.00.**

ALOPECURUS PRATENSIS (Meadow Fox Tail).

The most valuable grass for moist meadows and pastures, particularly the latter. One of the earliest of all grasses, thus permitting early pasturage. Very hardy, and after the second or third year, when it comes to full yield, produces a large amount of excellent forage. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. Sow with other grasses, 3 to 4 lbs. to the acre, 7 lbs. to the bushel. **Lb 45c, (by mail 53c), 10 lbs $4.25, 100 lbs $40.00.**

ANTHOXANTHUM ODORATUM PUELLI (Sweet Vernal Grass).

An annual of sweet scent but bitter taste, so that it is of small value for pasturage, but is of some value for lawn purposes. 10 lbs. to the bushel. **Lb 30c, (by mail 38c), 10 lbs $2.50, 100 lbs $20.00.**

ANTHROXANTHUM ODORATUM (True Sweet Vernal). A perennial. **Lb 60c (by mail 68c), 10 lbs $5.00.**

AVENA ELATIOR (Tall Meadow Oat Grass).

An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Growth is rapid, it blooms early and when cut dries out rapidly. Not suited to heavy, moist soils. Yield very heavy, permits three to four cuttings on good soil. Should not be sown alone, as it does not form a compact turf. Very hardy, withstanding extreme drouth, heat and cold. 13 lbs. to the bushel. **Lb., 25c (by mail 33c); 10 lbs., $2.25; 100 lbs., $20.00.**

CANADA BLUE GRASS (Poa Compressa).

This is a hardy perennial grass, which forms a strong turf on account of its dense creeping root stalks. It adapts itself to all soils and withstands differences of soils and climate better than most other grasses. Particularly adapted to the Eastern and Middle States for pasture and dairy use. For a lawn grass it is of considerable value where the turf is subjected to hard usage. 14 lbs. to the bushel. **Lb., 20c (by mail, 28c); 10 lbs., $1.95, 100 lbs $19.00.**

ENGLISH BLUE GRASS (Festuca Pratense, or Meadow Fescue).

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow 1½ bushels to the acre. 20 lbs. to the bushel. **Lb., 40c (by mail 48c); 10 lbs., $3.50; 100 lbs., $32.00.**

BERMUDA GRASS (Cynodon Dactylon).

A very valuable grass in the warmer climates. In the Southern States and warmer regions of the Southwest on the Pacific Coast, it is cultivated extensively and is most highly prized, chiefly for grazing, all kinds of stock being exceedingly fond of it. Resists extreme drouth and high temperature and grows freely on a sandy soil where other grasses will not thrive. Does not do well in the shade. As a lawn grass it is much used in the South with excellent results. Being difficult to eradicate, it should not be placed in a soil except desired permanently. Seed should be sown at the rate of 15 lbs. to the acre. Sow in the spring. 36 lbs. to the bushel. Short crop. Write for prices.

BROMUS INERMIS.

(Awnless Brome Grass.)

A most valuable and comparatively new grass for meadow use. In the arid regions of the West and Northwest this grass has a great future. It is very hardy, strongly stoloniferous (creeping roots), and quickly makes a thick, firm turf. Particularly hardy and unusually drought resisting, it is now more highly regarded for its feed value than a few years ago, and does not compare unfavorably with Timothy or similar hay. Somewhat difficult to eradicate, so should be given a permanent place. Cut when first coming into bloom. Our seed is choice and re-cleaned. 14 lbs. to the bushel. Sow two bushels to the acre. **Lb., 20c (by mail 28c), 10 lbs $1.40, 100 lbs $12.00.**

AWNLESS BROME GRASS.

CYNOSURUS CRISTATUS.

(Crested Dog's-tail.)

A valuable lawn grass, as it forms an even and compact sward. Does fairly well in shade and should be a constituent of all good shade lawn mixtures. Good for pasture. For lawn purposes it should be sown with other grasses, about 5 lb. to the acre. 21 lbs. to the bushel. **Lb., 35c, (by mail 43c), 10 lbs $3.25, 100 lbs $28.00.**

ORCHARD GRASS.

ORCHARD GRASS (*Dactylis Golmerata*).

A very hardy popular grass grown successfully almost anywhere in the United States, flourishes in shade or sunshine, therefore excellent for woodland pastures with good soil. Wet soils do not suit it. Good for both hay and pasture. Valuable in pasture because it offers feed a few days after moist weather in Spring, and it may be cut for hay before Timothy. Deep pasturing that would destroy Timothy improves this grass. Has a tendency to grow in stools and leave bare spaces, which may be overcome by rolling and harrowing. Red Clover sown 10 lbs. to the acre is also a good preventive. Not a good lawn grass, even in shade. 14 lbs to the bushel. **Lb 30c, (by mail 38c), 10 lbs $2.50, 100 lbs $22.00.**

The market price on grass seeds varies like that of grain. Purchasers in quantity should write for the latest prices and samples before ordering.

FESTUCA DURISCULA (*Hard Fescue.*)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow 30 lbs. to the acre; 12 pounds to the bushel. **Lb., 25c (by mail, 33c); 10 lbs., $2.00; 100 lbs., $18.00.**

FESTUCA HETEROPHYLLA (*Various Leaved Fescue.*)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow 40 lbs. to the acre; 15 lbs. to the bushel. **Lb., 30c (by mail, 38c); 10 lbs., $2.75; 100 lbs., $25.00.**

FESTUCA OVINA (*Sheep's Fescue.*)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permits its use for lawn purposes. Sow 35 lbs. to the acre; 12 lbs. to the bushel. **Lb., 25c (by mail, 33c); 10 lbs $2.25, 100 lbs $20.00.**

TIMOTHY (*Phleum Pratense.*)

The most popular of all grasses for hay and the standard to which all other hay is compared. It is a perennial, doing best on a moist, tenacious, rich soil. On light soils the yield is generally scant. The best results are had by sowing Timothy with a mixture of Red Top and Clover. Timothy does not make a desirable pasture as there is little growth after being cut and tramping of stock soon destroys it. Hay should be cut just when it has stopped flowering. Quantity of seed per acre varies with the character of the soil. On heavy soils sow one-third to one-half bushel per acre, on light soils less.

Our choice (V) Brand is clean, bright and of high germination. Market varies; 45 lbs. to the bushel. Present price January, lb 25c, (by mail 33c), 10 lbs $2.25, 100 lbs $20.00.

TIMOTHY (Phleum Pratense.)

FESTUCA RUBRA. (*Red, or Creeping Fescue.*)

This is a creeping rooted species of Fescue. On account of its creeping roots, forms a compact and durable turf, especially valuable for binding loose soils and for gravelly banks and dry slopes. An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn grass, is very good, especially for shaded spots. Sow 30 lbs. to the acre; 14 lbs. to the bushel. **Lb., 30c (by mail, 38c); 10 lbs., $2.50; 100 lbs., $22.00.**

FESTUCA TENUIFOLIA (*Slender Fescue.*)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow 30 lbs. to the acre; 22 lbs. to the bushel. **Lb., 35c (by mail, 43c); 100 lbs., $30.00.**

JOHNSON GRASS (*Andropogon Halepensis.*)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. It is very difficult to eradicate on account of its powerful and rapidly spreading roots, and should be used only on permanent pastures or meadows, 25 lbs. to the bushel. **Lb 25c, (by mail 33c), 10 lbs $2.00, 100 lbs $18.00.**

LOLIUM ITALICUM. (*Italian Rye Grass.*)

Called a perennial but rarely lasts for two years. Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the Winter. Valuable in lawn grass mixtures demanding immediate effect. Eighteen lbs. to the bu. **Lb., 20c (by mail, 28c); 10 lbs., $1.00; 100 lbs., $8.00.**

LOLIUM PERENNE. (*English or Perennial Rye Grass.*

The hay grass of England where its position is the same as Timothy in the United States. Also does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow 50 to 60 lbs. to the acre.

Perennial Rye Grass—Extra Heavy Seed (30 lbs. to the bu.) **Lb., 20c (by mail, 28c); 10 lbs., $1.50; 100 lbs., $10.00.**

Perennial Rye Grass—Standard Weight (24 lbs. to the bu.). **Lb., 12c (by mail, 20c); 10 lbs., $1.00; 100 lbs., $8.00.**

POA TRIVALIS (*Rough Stalked Meadow Grass.*)

A perennial species closely related to Kentucky Blue Grass. Does best in moist cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow about 15 to 20 lbs. to the acre. 14 lbs. to the bushel. **Lb., 45c (by mail, 53c); 10 lbs., $4.00; 100 lbs. $35.00.**

POA NEMORALIS (*Wood Meadow Grass.*)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. 14 lbs. to the bushel. **Lb 50c, (by mail 58c), 10 lbs $4.75, 100 lbs $45.00.**

Vaughan's Hay and Pasture Special Grass Mixtures.

OUR customers have been quick to appreciate the value of these special mixtures in producing a heavier, thicker and longer continued growth than when one or two grasses only are used. The use of such mixtures is sure to become universal. For other conditions or soils not stated below, write us.

Every sample of grass in each mixture is of the choicest recleaned quality. The following are the leaders:

THE AMOUNT OF SEED necessary to sow an acre largely depends on the quality of the land; the poorer the soil the larger the quantity required. A fair average is from 35 to 40 pounds to the acre. The thicker seeds are sown, the sooner will a fine close turf be obtained.

VAUGHAN'S MEADOW MIXTURES.

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture is composed of the following grasses and clovers, blended in the proper proportions:

		Perennial Rye Grass.
Fancy Red Top.	Orchard Grass.	Timothy.
Meadow Foxtail.	Hard Fescue.	Red Clover.
Tall Meadow Oat Grass.	Sheep's Fescue.	Alsike Clover.

Price 10 lbs $2.00, 35 lbs (about enough for one acre) **$6.00, 100 lbs $18.00, 1000 lbs $175.00.**

No. 2. FOR HIGH AND DRY LAND.

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow Grass.
Tall Meadow Oat Grass.	Sheep's Fescue.	Red Clover.
Crested Dog's Tail.	Timothy.	White Clover.
Orchard Grass.		

Price 10 lbs $2.25, 35 lbs (about enough for one acre) **$7.00, 100 lbs $19.50, 1000 lbs $190.00.**

VAUGHAN'S PASTURE MIXTURE.

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture contains some of each of the following, properly proportioned.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue.	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price 10 lbs $2.25, 35 lbs (about enough for one acre) **$7.00, 100 lbs $19.50, 1000 lbs $190.00.**

No. 4. ON DRY LAND.

This mixture is composed of the following:

		Hard Fescue.
Creeping Bent Grass.	Orchard Grass.	Sheep's Fescue.
Tall Meadow Oat Grass.	Red Clover.	Timothy.
Kentucky Blue Grass.	White Clover.	Perennial Rye Grass.

Price 10 lbs $2.00, 35 lbs $6.00, 100 lbs $18.00.

No. 5. ON WET LAND.

This mixture contains:

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Alsike Clover.	Rough-Stalk Meadow Grass.
Meadow Fescue.	White Clover.	
Perennial Rye Grass.	Meadow Foxtail.	

Price 10 lbs $2.25, 35 lbs $7.00, 100 lbs $19.50.

Vaughan's "Fair Green" Golf Mixture, composed of extra cleaned and heavy lots of hardy and vigorous grasses.

FOR GOLF AND TENNIS CLUBS.

We make special mixtures suitable for different soils and conditions. Certain grasses do better than others under certain conditions, and on particular soils. All our fancy grasses for lawn purposes are especially cleaned, and the pick of the markets both in this country and abroad. We invite the closest analysis on all our grasses. Write us concerning wants, and we shall be pleased to furnish samples and latest market quantity prices. We supply many of the very largest clubs in the country. For full descriptions and approximate prices of fancy grasses used on lawn and recreation grounds, see pages 138 and 139.

VAUGHAN'S "GOLF LINK" (FAIR GREEN) GRASS SEED.

Most of the older Golf Clubs have their own special mixtures which they have found best suited for their needs. For those who have not, this mixture is one that will give general satisfaction on the majority of soils. The grasses comprising the mixture will stand wear and tear, and still retain its good appearance. Sow 75 to 100 lbs. per acre. **Price, per lb., 30c; 5 lbs., $1.35; 50 lbs., $12.75; 100 lbs., $25.00** Special price on larger lots.

VAUGHAN'S "PUTTING GREEN MIXTURE"

A mixture of the extra fine leaved low growing grasses that will make a close, firm, green and lasting turf. The "Putting Green" is, of course, the most important turf on the whole links, so we invite correspondence as to local conditions which may affect the growth of the different grasses. Sow 1 lb. every 350 to 400 sq. ft. **Price, per lb., 35c; 5 lbs., $1.50; 50 lbs., $13.50; 100 lbs., $26.00.**

VAUGHAN'S MIXTURE FOR TENNIS LAWNS.

For Cricket, Croquet, Bowling Greens, etc.

A mixture of strictly perennial grasses without clovers, specially adapted to produce a close fine enduring sward. Sow from 50 to 60 lbs. per acre for a new lawn or bowling green; 15 to 20 lbs. per acre to improve existing turf. **Price, per lb., 35c; 5 lbs., $1.50; 15 lbs., $4.35; 25 lbs., $7.00; 50 lbs., $13.50; 100 lbs., $26.00.**

Vaughan's Putting Green Mixture—the fanciest samples of low-growing, velvety-appearing grasses.

VAUGHAN'S HIGH GRADE LAWN FERTILIZER.

It does the work of twenty times its weight of barnyard manure.
Does it better, quicker, cheaper and lasts longer.
Does not disfigure the lawn with an unsightly, ill-smelling mass.
Contains no seed weeds.
Is easily applied.

Lawn grass is a voracious feeder, and must have plant food in order to hold its beautiful, dark green color and velvety appearance. The ordinary stable manure contains the desirable chemical plant foods. However, it has serious drawbacks, in being hard to handle, ill-looking, decidedly odorous, and, not the least of all, it contains weed seeds. All of these objections are obviated by the use of our lawn fertilizer. If the lawn is in fair condition it is only necessary to rake off the dead leaves and grass in the early spring and scatter broadcast over its surface some of **our Lawn Fertilizer** with a little of **our Chicago Park Lawn Seed** over the thin spots, and the work is done.

DIRECTIONS FOR USE. The first application should be made early in the Spring, as soon as the frost is out of the ground, at the rate of 25 pounds of fertilizer to every 1,000 square feet of lawn, evenly distributed. For seeding down a new lawn, scatter double the amount, say 50 pounds of fertilizer, broadcast on every 1,000 square feet, and rake it in thoroughly before sowing the seed.

Price.—5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; 200 lbs., $5.50; 500 lbs., $12.00; 1,000 lbs., $22.00; 2,000 lbs., $42.00.

Price includes delivery within 20 miles of Chicago.

New York Prices.—Add 50c per 100 lbs., and $7.00 per ton to above prices.

HARD WOOD ASHES.

This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. It is also very beneficial to vegetable and field crops, and especially recommended to Cabbage and Onion growers. **Price: 25 lbs., 45c; 50 lbs., 75c; 100 lbs., $1.25; 500 lbs., $5.00; 1,000 lbs., $9.50; ton, $18.00.**

GYPSUM, or LAND PLASTER.

This is still used as a fertilizer for grass and we can supply it at: **100 lbs., $1.00; 500 lbs., $4.00; 1,000 lbs., $7.00; ton, $13.50.**

TOBACCO DUST.

This contains some of the elements that induce the growth of grass, and is a real good fertilizer for that purpose. **10 lbs., 40c; 25 lbs., 75c; 50 lbs., $1.35; 100 lbs., $2.50; 500 lbs., $11.25.**

FOR FARM AND GARDEN FERTILIZERS, SEE PAGE 145.

VAUGHAN'S "CENTRAL PARK" LAWN SEED

The Best General Purpose Lawn Mixture that can be Made.

MANY NOTABLE PLACES

Of individuals and clubs who have used with satisfaction Vaughan's Lawn Grass Seed, may be mentioned: John D. Rockefeller's Golf Grounds, Lakewood, N. Y.; Tuxedo Park Association, Tuxedo Park, N. Y.; Theodore Roosevelt, Oyster Bay, L. I. Many of the finest show places on Long Island, along the Hudson and in New Jersey. In the West, the Glenwood, Glenview, Calumet, Exmoor, Evanston, Westward Ho, Homewood, Midlothian, Ravisloe and other Chicago Golf Clubs, and almost all of the fine private grounds in Lake Geneva, Oconomowoc, Lake Forest, and along the Chicago North Shore.

QUANTITIES TO USE

1 lb. for 350 square feet.
5 lbs. for 1,750 square feet.
10 lbs. for 3,500 square feet.
15 lbs. for 4,250 square feet.
25 lbs. for one-fourth acre.
50 lbs. for one-half acre.
100 lbs. for one acre.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

"HOW TO MAKE A LAWN"

A few suggestions and hints in pamphlet form which we enclose in all our packages of lawn grass seed.

SPECIAL QUOTATIONS.—We shall be pleased to quote special prices to Golf Clubs, institutions, parks and others, who require Lawn Grass and Clover Seeds in large quantities.

PRICE per lb 30c, 3 lbs 85c, 5 lbs $1.35, 10 lbs $2.65, 15 lbs (a legal bushel) $3.95, 20 lbs $5.20, 25 lbs $6.45, 50 lbs $12.75, 100 lbs $25.00. Postage 8c per lb. extra.

WE SELL Good Lawn Grass Seed as low as good grass seed can be bought anywhere.

The high prices of lawn grass seed last year and the present season have caused many firms to reduce the quality of their mixtures rather than raise their prices.

A large, supposedly high grade, department store, last year, sold the "Best" lawn grass seed—**Canada Blue Grass**—condemned as valueless for lawn purposes by the United States Department of Agriculture.

There are hundreds of grocery and department stores that have, this year, bought grass seed mixtures at eleven and twelve cents per pound, composed of cheap, annual grasses and dirty, chaffy seed, which would be dear at one-half the price.

Annual grasses are cheap and come up at once. They never appear, however, the next season, and a new lawn must then be prepared.

One firm sells a quart of seed, which weighs about eleven ounces, for twenty-five cents, thinking people will believe this is cheaper than one pound (sixteen ounces) for thirty cents.

Vaughan's "Central Park" Lawn Mixture will produce a permanent and lasting turf. It is as clean from weeds and chaff as scientific machinery can make nature's product. The actual weight per bushel is about twenty-six pounds. Much seed sold weighs less than fourteen pounds per bushel.

We invite microscopic examination, comparison or analysis.

QUANTITIES TO USE

1 lb. for 400 square feet.
5 lbs. for 2,000 square feet.
10 lbs. for 4,000 square feet.
15 lbs. for 6,000 square feet.
25 lbs. for one-fourth acre.
100 lbs. for one acre.

Vaughan's "COLUMBIAN Lawn" Grass Seed

For Shaded Lawns and Sandy Soil.

A selection of the fine grasses which thrive naturally under the shade of trees or buildings, or are suitable for light sandy soil. This mixture was extensively used on the World's Fair Grounds, where we furnished large quantities of this seed to the landscape department, and where it gave splendid results. Sow at least 100 lbs. of seed per acre to make a new lawn, or 50 lbs. per acre for thin grass. **Price per lb., 30c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.65; 20 lbs., $5.20; 25 lbs., $6.45; 50 lbs., $12.75; 100 lbs., $25.00.** If by mail add 8 cents per lb. for postage.

VAUGHAN'S "QUICK SHOW" LAWN MIXTURE

There are many people who desire a lawn that will make a showing immediately after planting. This mixture contains the quickest growing grasses, and while not possessing the permanency or color of our "Chicago Parks," will still make a respectable showing after the first season. Sow 50 lbs. to acre. **Price per lb 25c, 5 lbs $1.00, 25 lbs $4.75, 100 lbs $18.00.**

VAUGHAN'S SPECIAL GRASS MIXTURE

This extra-choice mixture contains a large proportion of the finer and more expensive species, such as Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra-heavy samples, bringing the weight up to 20 lbs. per bushel, and producing a turf of the closest and finest texture possible. Sow 50 lbs. to acre. **Price per bu. of 20 lbs. $5.50.**

VAUGHAN'S DEEP SHADE MIXTURE

For use under large trees where the shade is dense. Made up of the most expensive fancy grasses only, such as Wood, Meadow, Rough Stalked Meadow, Slender Fescue, etc. **Per bushel of 20 lbs. $7.50.**

VAUGHAN'S LAWN RESTORING GRASS MIXTURE

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow them is very early in spring, but seed may also be sown in the fall from first of September to first of October. Some Lawn-restoring Grass Seed should also be sown before every summer rain or thin places. **Price per quart 25c, per bushel of 24 lbs $6.00.**

KENTUCKY BLUE GRASS See description page 140. **Per lb 35c, 3 lbs $1.00, bushel (legal weight 14 lbs) $4.75; (This seed actually weighs 21 lbs), 5 bu $23.00.**

RED TOP Fancy seed. **Lb 30c, 5 lbs for $1.40.**

WHITE CLOVER Extra Fancy. **Lb 50c, 3 lbs $1.45, 10 lbs $4.75. Add 8c per lb to above price if wanted by mail.**

KALAKA A combination of superior grass seed with concentrated dry manure. Quick germination and the establishment of the young grass is brought about by the presence of the fertilizer. **2 lb box 50c, 5 lbs $1.00. Sent by express only.**

VEGETABLE PLANTS.

Cabbage. Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Danish Summer Ballhead, Glory of Enkhousen, Late Flat Dutch, Iron Head Savoy and Mammoth Rock Red.

Cauliflower. Ready April 20th. Vaughan's New Snowball and Extra Early Erfurt.

Tomato. Ready about May 15th. The following varieties: Earliana, Dwarf Champion, Dwarf Stone, Ponderosa, New Stone, Beauty and Yellow Plum.

Prices of above: 2-in. pot plants (sent by express at buyer's expense), doz 50c, 100 $3.00.

Transplanted plants from flats, doz 30c, 25 for 55c, postpaid. By express, doz 25c, 100 for $1.75, 1000 for $15.00.

Seedlings from the hot beds, doz 20c, 50 for 75c, 100 for $1.25, postpaid. By express, 1000 for $6.00.

Egg Plant. Ready about May 15th. New York Purple Improved.

Pepper. Ready about May 15th. Vaughan's Sweet Mountain, Chinese Giant, Magnum Dulce, Ruby King and Cayenne.

Prices of the above: 2-in. pot plants (by express only at buyers' expense), doz 60c, 100 $4.00.

Transplanted plants from flats, doz 35c, 25 for 60c, 50 for $1.10, prepaid. By express, doz 30c, 100 for $2.00, 500 for $8.00.

Magnum Dulce and Chinese Giant are so sweet they may be eaten like an apple.

Early Celery. Ready in June. White Plume, Golden Self-Blanching and Giant Golden Heart.

Late Celery. Winter Queen and Giant Pascal.

Celeraic. Giant Prague.

Transplanted plants, doz 20c, 50 for 50c, 100 for 75c, postpaid. By express, doz 15c, 100 75c, 250 for $1.50, 500 for $2.50, 1000 for $4.50.

Sweet Potatoes. Ready about May 20th. Yellow Nansemond and Red Jersey. **Plants, doz 20c, 50 for 65c, 100 for $1.00, postpaid. By express, doz 15c, 100 75c, 1000 for $4.00.**

Chives. **Clumps of roots, by express 10c, doz $1.00. By mail, add 10c per clump.**

HERBS.

Hop Roots. **Plant early. Doz 30c, by mail 35c.**

Lavender Plants. Used for seasoning and perfumes. **First size, 15c each, 3 for 40c, doz $1.25. Second size, 25c each, doz $2.00, postpaid.**

Mint. Old Fashioned, **for flavoring, sauces, etc.** See page 33.

Sage. Holt's Mammoth. For seasoning and stuffing. **2 in. pot plants, each 15c; 3 for 35c; 7 for 50c; 12 plants for $1.00; by mail, postpaid.**

Tarragon Plants. For flavoring and vinegar. **First size, 10c each; doz., $1.00. Second size, 20c, doz., $2.00, postpaid.**

RHUBARB, or PIE PLANT ROOTS.

These roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

Clumps, 15c; 25, 50c and $1.00 each, according to the size. Sent by express at buyer's expense.

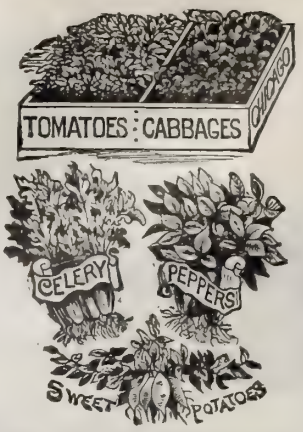
Seedlings, one year from seed, each, 10c; doz. $1.00, postpaid.

HORSE RADISH SETS.

A very profitable crop in many places. Gardeners near any good market can make big money raising this root. Good clean sets. Price, per 50, 40c; 100, 75c, postpaid; 500, $2.50; 1000, $4.00 by express.

ARTICHOKE ROOTS (Jerusalem).

They are the best hog food known. Very fattening and very productive (over 1,000 bushels have been grown on one acre). Easily grown. They need not be dug, the hogs should be turned in on them. One acre will keep from 20 to 30 hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. Three bushels will seed an acre. Cut and plant like potatoes. **Lb., 35c; 3 lbs., $1.00, postpaid. By freight or express, peck, $1.00; bu., $3.00; bbl. of 3 bu. (enough for one acre), $7.50; F. O. B. Chicago. If to go from New York, add 100 per peck, 20c per bu., and 50c per bbl. to these prices.**



VAUGHAN'S VEGETABLE PLANTS.

HORSE RADISH ROOTS.

RHUBARB.

TREE SEEDS.

Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 ft. apart.

One-pound lots and less include postage; larger lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.
Apple, 10 lbs $5.50	$0 05	$0 10	$0 20	$0 60
Arbor Vitae, American	10	20	65	2 50
Birch, White	10	15	40	1 25
Box Elder (10 lbs. $3.50)	05	10	15	40
Catalpa Speciosa (scarce)	10	30	90	3 00
Catalpa Teas Hybrid, Japan	10	15	35	1 10
Locust, Honey (5 lbs. $1.25)	05	10	15	40
Locust, Black or White	05	10	15	40
Maple, Oregon Mammoth	05	10	35	1 00
Mulberry, Russian	10	20	60	2 00
Osage Orange (Ready in March)	05	15	20	75
Pear, French	10	20	60	2 00
Pine Scotch	10	20	45	1 25
Spruce, Norway	05	15	35	1 00

SMALL FRUIT SEEDS.

These germinate slowly. Sow them early.

Strawberry, Bush Alpine. Grows in true bushy globular form with upright leaves. Can be used for borders. Fruits are perfectly true from seed. We offer both colors, red and white. Plants do not have runners. If sown early plants will bear the next year. Red or White, **per pkt., 10c; 1 pkt., of each for 15c.**

Strawberry Seed, Mixed. Of several best kinds; new hybrid seed; may produce valuable sorts. **Pkt., 15c; 2 for 25c.**

Strawberry, Belle de Meaux. **Pkt., 15c; 2 for 25c.**

Raspberry Seed. Large fruited sorts, **mixed. Pkt., 10c; oz., 20c.**

Currant, Red. **Pkt., 10c; oz., 20c.**

Currant, White. **Pkt., 10c; oz., 25c.**

Currant, Black. **Pkt., 10c; oz., 20c.**

New Everbearing Strawberry "La Perle." Large fruited. **Pkt 20c, 3 pkts 50c.**

TOBACCO SEED.

Comstock's Spanish. The favorite variety in the Wisconsin Tobacco district. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

Primus. Yields big crops of extra fine quality. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

Harby. A Turkish variety; stands heat and drought. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.**

Brazilian-American. Finest Brazilian strain. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

Big Havana. A hybrid Havana or Cuban seed leaf. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

General Grant. It produces leaves 44 in. long, of proportionate breadth, and matures its crop perfectly as far north as Duluth, Minn. **Pkt., 10c; oz., 30c; ¼ lb., $1.00; lb., $3.50.**

Connecticut Seed Leaf. Best adapted to the climate of the Middle and Northern States, as it is hardier and endures cold better than others. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

Big Oronoko. Has no equal for strips and dark wrappers. **Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.50.**

JERUSALEM ARTICHOKE.

BUSH ALPINE STRAWBERRY.

GENERAL GRANT TOBACCO.

VAUGHAN'S HIGH GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S TRUCKER'S SPECIAL

This is our best brand of concentrated Manure, suitable for **lawns and flowers** as well as vegetables mentioned below. It is of exceptional value and will prove a **money maker** to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape	200 to 500 lbs.
Asparagus	1000 lbs.
Beans	400 to 600 lbs.
Beet	500 to 1500 lbs.
Cabbage	400 to 1500 lbs.
Carrot	300 to 800 lbs.
Celery	600 to 800 lbs.
Cucumber	400 to 800 lbs.
Lettuce	500 to 1000 lbs.
Onion	500 to 1500 lbs.
Tomato	500 to 1000 lbs.
Strawberries	500 to 1000 lbs.

Price, 25 lbs 85c, 50 lbs $1.60, 100 lbs $3.00, 200 lbs $5.70, 500 lbs $13.50, 1000 lbs $26.00, 2000 lbs $51.00.

HIGH GRADE POTATO MANURE

The highest grade complete potato manure it is possible to compound. The potash, derived from sulphate potash, produces tubers rich in starch, and of the finest quality, and does not need the addition of animal manure or other fertilizing agents to grow maximum crops **of clean, well formed,** marketable tubers.

Price, 100 lbs $2.50, 200 lbs $4.25, 1,000 lbs $20.00, 2,000 lbs $35.00.

FRUIT AND ROOT CROP MANURE

For **fruit** trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre. Beet, 500 to 1,500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1,000. **Price, 25 lbs 65c, 50 lbs $1.20, 100 lbs $2.20, 200 lbs $4.20 500 lbs $10.00, 1,000 lbs $19.50, 2,000 lbs $38.00.**

BONE AND BLOOD (Tankage)

For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hard wood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. **per acre. Per 100 lbs $2.75 1,000 lbs $20.50, 2,000 lbs $40.00.**

THOMPSON'S "SPECIAL" CHRYSANTHEMUM MANURE

Imported in original bags of 56 lbs. each. An excellent stimulating Manure for top dressing for Chrysanthemums and similar Plants. It is entirely soluble and very powerful, especially suitable for top dressing plants in pots during the growing season. **A heaped dessert spoonful will be sufficient for a ten-inch pot,** sprinkled over the surface of the soil and watered in with tepid water. This may be given three times during the growing season. The very best results will follow.
Price, 14 lbs $2.00, 28 lbs $3.50, 56 lbs $6.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. **Price, 5 lbs 25c, 10 lbs 50c, 25 lbs 85c, 50 lbs $1.50, 100 lbs $2.75, 200 lbs $5.00, 500 lbs $11.50, 1,000 lbs $22.00, 2,000 lbs $43.00.**

Quantity Required.—For permanent pasture and mowing lands, ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 100 lbs $2.40, 200 lbs $4.60, 500 lbs $10.50, 1,000 lbs $20.00, ton $38.00.

BONE, BLOOD AND POTASH

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a **money maker.** For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a **liquid** manure by using an 8-inch potful to a barrel of water.
Price, 100 lbs $3.00, 200 lbs $5.70.

NITRATE OF SODA or Chili Saltpeter

Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used the Nitrogen must be converted into Nitrate before the plants can use it.

HOW TO USE NITRATE OF SODA.

Remove the lumps before using and break them up, which can be done by pounding. Use as a top dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: **Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.**

For Asparagus, a top dressing of 250 lbs. per acre just as soon as the first shoots make their appearance.

For Strawberries, a top dressing of about 100 lbs. per acre after the plants have blossomed.

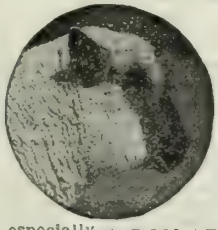
For the **Home Garden** apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs 35c, 10 lbs 60c, 25 lbs $1.25, 100 lbs $3.50, 500 lbs $15.75. Write for prices on larger quantities.

THOMPSON'S VINE PLANT AND VEGETABLE MANURE

So compounded **as to combine stimulating** with **lasting effects.** A safe and reliable Food and Stimulant for every Fruit-bearing plant, for Foliage and Flowering Plants, for Vegetables and out-door Plants of every description; admirably adapted for mixing with the soil when potting **in the proportion of 4 lbs. to each wheelbarrow load of soil.**

Price, 28 lbs $2.00, 56 lbs $3.50, 112 lbs $6.00.



VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants —one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.
5 lbs 25c, 10 lbs 40c, 25 lbs 70c, 50 lbs $1.25, 100 lbs $2.00, 500 lbs $7.50, 1,000 lbs $14.50, ton $28.00.

CLAY'S FERTILIZER

This valuable imported Manure is especially recommended to all who grow either Fruit, Flowers or Vegetables and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing.
Price, 28 lbs $2.00, 56 lbs $3.75, 112 lbs $7.00.

PURE ICHTHEMIC GUANO

An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form, so as not to stimulate one feature of the growth at the expense of another. It is clean in use, absolutely reliable, and may be safely applied in the prescribed quantities. **DIRECTIONS FOR USE.**—(1) In the dry state, **1 to 2 ounces to the square yard of ground.** (2) In a liquid state, **a tablespoonful to a gallon of water** in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, **1 part to 100 parts of soil.** Vines take a larger quantity, being applied in the early stages at the rate of ½ lb. to the square yard whilst growing, and at the time of stoning, use a solution of **four tablespoonfuls to the gallon of water.** Imported in original bags of 112 lbs. each.
Price, 28 lbs $2.50, 56 lbs $4.00, 112 lbs $7.00.

HORN SHAVINGS

These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted.
Price, 5 lbs 40c, 10 lbs 70c, 25 lbs $1.25, 100 lbs $4.50.

KAINIT or German Potash Salt

This contains an average of 12 per cent of actual potash. It should be applied a considerable time before the crop is planted in order that it may be well distributed. It is not advisable to put it in the hill or row immediately before planting. Mixed with Bone Meal it is a splendid fertilizer as a top dressing for fruit trees and small fruits.
Price, 10 lbs 30c, 25 lbs 50c, 100 lbs $1.50, 500 lbs $6.25, 1,000 lbs $11.50.

BON ARBOR

A highly concentrated form of plant food. **½ lb pkg, making 15 gals, 25c, 1 lb pkg, making 30 gals, 50c, 5 lb pkg, making 150 gals, $1.75. Box, 50 lbs $12.50, 100 lbs $20.00. In bbls, 250 to 300 lbs 18c per lb.**

MURIATE OF POTASH

A form of Potash Salts to be used with Bone Meal, Bone and Blood or farm manures on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. Must not be used on hops, potatoes, tobacco, flax, sugar beets, cabbage or cauliflower. 50 to 400 lbs. per acre. **Price, 5 lbs 30c, 10 lbs 50c, 25 lbs $1.00, 50 lbs $1.85, 100 lbs $3.50, 200 lbs $6.50, 500 lbs $15.00. Write for prices on ton lots.**

SULPHATE OF POTASH

A desirable form of Potash to be used on all crops, but especially on tobacco, hops, potatoes, flax, sugar beets, cabbage or cauliflower. Use 50 to 400 lbs. per acre. It is the best form for greenhouse use, and may be applied either broadcast and mixed with the soil, or in solution in water. In re-potting or in shallow beds, use a tablespoonful to a bushel of the soil. In water use a tablespoonful in 12 quarts. **Price, 5 lbs, 30c, 10 lbs 50c, 25 lbs $1.10, 50 lbs $2.00, 100 lbs $3.75, 200 lbs, $7.00, 500 lbs $16.50.**

SULPHATE OF AMMONIA

Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. **Price, 1 lb 25c, 5 lbs 60c, 10 lbs $1.10, 25 lbs $1.75, 100 lbs $6.50.**

BOWKER'S PLANT FOOD

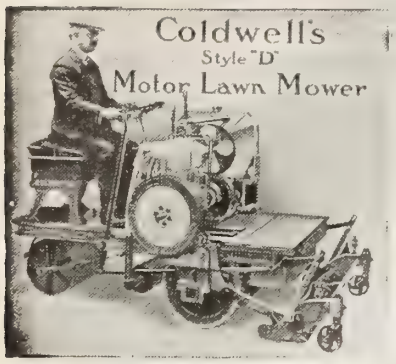
A first-class plant food. **Small size pkg 15c, by mail 22c; large size pkg 25c, by mail 40c.**

SCOTCH SOOT (Genuine Imported)

Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms.
Price, 28 lbs $1.50, 56 lbs $2.50, 112 lbs $4.00.

VAUGHAN'S LAWN MOWERS, ROLLERS, SWEEPERS, SCYTHES, LAWN BOOTHS, ETC.

COLDWELL GASOLINE MOTOR LAWN MOWER



For use on large lawns, such as are found on golf grounds, parks and large estates, we recommend motor lawn mowers. Besides being great savers of time and expense, the beneficial and beautifying results to the lawn obtained by the constant rolling of the heavy rollers is in itself sufficient to warrant their use. Prices of motor mowers are f. o. b. Newburgh, N.Y.

Style D—Weight 2,000 pounds. Equipped with 2-cylinder, 4-cycle latest improved automobile motor, consumes three-quarters of a gallon of gasoline per hour; cuts 40-inch swath; guaranteed to negotiate 25 per cent grades; cutting part can be lifted free from the ground by means of a single lever.
Price.....$1,300

THE EAGLE PHILADELPHIA HORSE LAWN MOWER

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs; 40 inch, 610 lbs.
Price (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York:
35-inch cut.....$100.00 **40-inch cut**.....$110.00

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

PHILADELPHIA LAWN MOWER

High Wheel (Steel)—Style A.

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
$10.25	$11.50	$12.75	$14.00

High Wheel—Style K.

For all-round general purposes this is one of the best style Mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
$6.15	$6.80	$7.40	$8.00

Write for complete Philadelphia Lawn Mower Catalog

THE VAUGHAN LAWN MOWER

Only the best material has been used in this machine. The driving wheels are ten inches in diameter, and the cylinder is fitted with four blades suitable for long or short grass. The cutting cylinder can be removed from the machine without in any way disturbing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work in every respect.

15 in.	17 in.	19 in.	21 in.
$8.50	$9.50	$10.50	$11.50

VICTORY BALL-BEARING MOWER

To best of our knowledge the lightest and easiest running Mower on the market. While especially adapted to cutting fine lawns, the "Victory Mower" will do first-class work on the lawns too rough for other mowers to be used. The ball-bearings are of the highest grade, and reduce the friction so that a 24-in. machine can be run as easily as an 18-in. old-style Mower.

14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
$8.50	$9.50	$10.50	$11.50	$12.50	$13.50

PHILADELPHIA GRASS COLLECTOR

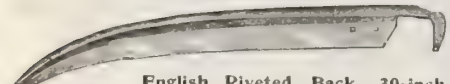
Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **Price for High Wheel and Style K and the Vaughan Mower, 14 and 15 inch, $1.70; 16 and 17 inch, $1.80; 18 and 19 inch, $1.90; 20 and 21 inch, $2.00.**

HORSE LAWN BOOT

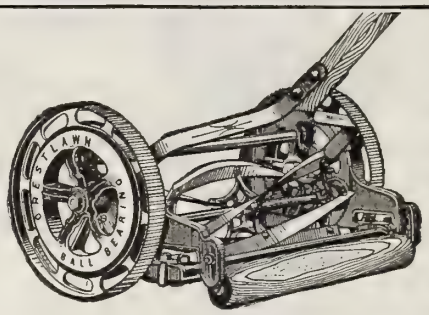
Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure
No. 4 for No. 4 horse shoe 6½ in. inside measure
No. 6 for No. 6 horse shoe 7 in. inside measure
Per set of four $9.00

SCYTHE BLADES



English Riveted Back, 30-inch, $1.30; 36-inch, 1.40; 40-inch, $1.50
Scythe Snath or Handle, with patent fastening, each $1.00.
Talacre Scythe Stones each 25c, 3 for 60c.



CRESTLAWN BALL BEARING

The Strongest and Easiest running lawn mower ever built. Extra high eleven-inch Ball Bearing drive wheels and Automatic interlocking frame that cannot be knocked or twisted out of adjustment. The ONLY mower in the world so constructed.

Revolving Cylinder has five Self-sharpening steel blades and Self-adjusting Ball Bearings.

Recommended especially to owners of large lawns and parks where quality counts and first class, smooth work is desired. Recognized as the Highest Grade lawn mower in America. Absolutely guaranteed in every respect.

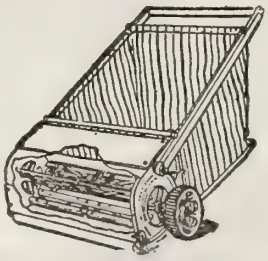
"Every bearing Ball Bearing."

14 in.	16 in.	18 in.	20 in.
$12.00	$13.00	$14.00	$15.00

SIMPLEX GRASS CATCHER

A Grass Catcher of real merit. Fits any mower made. Instantly attached or detached. Has galvanized iron bottom and never-rip canvas cloth connections. It keeps the lawn clean, and will last a lifetime. Admittedly the best on the market. No. 1 fits 14 and 16-in. mowers—**Price $1.50.** No. 2 fits 16 and 18-in. mowers—**Price $1.75.**

GEM LAWN SWEEPER



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $16.00.**

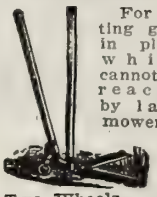
Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. **Price $72.50.**

Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheeel. it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. **Price each $6.00 complete.**

LAWN SHEARS



For cutting grass in places which cannot be reached by lawn mower.

Two Wheels, Each. $2.50.

BORDER SHEARS

For trimming the edges of borders and walks. 7-inch, $2.00. With Wheel, $2.25.

Gold Medal Roller Bearing Lawn Rollers

The benefit derived from using a roller on the lawn is inestimable. Freezing and thawing causes the ground to heave, and a too liberal watering with force washes the soil from the roots of the grass, and if the sod is not pressed down the grass is apt to burn out. Also if a roller is used on a lawn moles will not molest it.

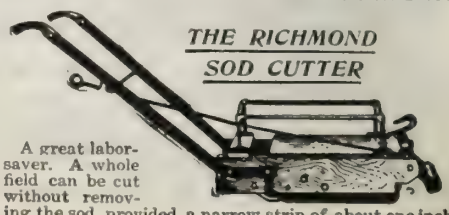
	Diameter.	Face.	Sections.	Weight, lbs.	Price
No. 401	15 in.	16 in.	2	150	$ 9.50
No. 402	15 in.	24 in.	3	200	12.50
No. 404	20 in.	20 in.	2	250	15.00
No. 407	20 in.	24 in.	2	300	18.00

ONE AND TWO SECTION "WATER-WEIGHT" ROLLERS

Without Counter-Balancing Hand Weights

						Price
WB3	14	20	1	60	200	300	$10.00
WB5	18	24	1	75	300	500	13.00
WB7	24	24	1	125	500	800	17.00
WB9	24	32	1	140	650	1000	19.00
WB11	18	24	2	100	300	500	18.00
WB13	24	32	2	170	650	1000	24.00

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. **Price $23.00**

VAUGHAN'S LAWN HOSE, SPRINKLERS, LAWN SWEEPERS, RAKES, NOZZLES, ETC.

RUBBER HOSE.

Electric Non-kinkable.

Best hose on the market, finest quality of rubber being used in its manufacture. Will not kink and will last for years. We can supply in any length and will fit with "snap" hose couplings if advised at time of ordering. Price, ¾ inch, per 25 feet, $5.50; 50 feet, $10.00; 100 feet, $20.00.

Excelsior Brand. A fine grade of hose, which we can readily recommend. Comes in 25 and 50 foot lengths only. **Price, ¾ inch** (including plain couplings), **per 25 feet, $4.00; 50 feet, $7.75; 100 feet, $15.00.**

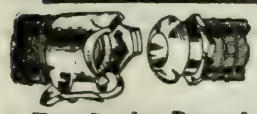
"Standard Brand." ¾ inch; will give good service. **Price** (including couplings), **25 feet, $3.00; 50 feet, $5.50; 100 feet, $10.00.**

ALL IRON HOSE REEL.

Very light weight, frictionless, the wheels being so high they are very easily worked; never break or wear out.

No. 10, 100 ft. ¾ in. hose..$2.75
No. 20, 150 ft. ¾ in. hose.. 3.00

THE "SNAP" HOSE COUPLER.



Best hose coupler on the market, being simple, durable and always tight, for ¾ inch hose. **Per pair, 30c.**

Hose Coupler, Brass, for ½ or ¾ inch hose. **Each, 15c; doz., $1.50.**

Hose Straps, Coldwell. Used in fastening coupler on hose. **Doz., 15c.**

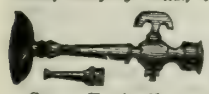
THE COOPER HOSE MENDER.

The best hose mender on the market, made of copper, with sharp barbs on either end, which prevents hose slipping off. ½ or ¾ inch, **each, 8c; doz., 75c;** 1 inch, **each, 10c; doz., $1.00; postage 5c doz. extra.**

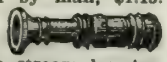
Iron Mender, for ¾-inch hose. **Each, 5c; doz., 50c.**

HOSE NOZZLES.

Boston Rose Spray. Brass; for ¾ inch hose; useful for watering lawn and garden. **Each, 60c; by mail, 70c.**



Standard. With stream and 2 inch spray. **Each, 75c; if by mail, 90c.** Same with 2½ in. spray, **$1.00; if by mail, $1.15.**



Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾ inch hose. **Each, 50c; if by mail, 60c.**

THE EVANSTON SPRINKLER.

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head, with perfect ease, by the aid of a wire or cord. **Each, 35c; postpaid, 60c.**

Lincoln Park, or Butterfly.

Used for years in our Chicago parks; one of the most satisfactory sprinklers made. **Each, 30c.**

Mounted on stand, **2 foot, 75c; 4 foot, 85c; 6 foot, $1.00.**

"Columbia" Sprinkler.

Three Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. **Each, $1.25; 3 for $3.45.**

"AUSTRALIAN" SPRINKLER.

This sprinkler is one of the best distributors of water made, by reason of its rapid revolution and the form of its wings it distributes the water very finely and evenly.

Mounted on stand, **2 foot, 65c; 4 foot, 75c; 6 foot, 85c; 8 foot, $1.00.**

WATER BARREL TRUCK.

Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles.

Water Barrel and Truck with 2½ in. tires.....$10.50
Truck only, without barrel but with one pair trunnions 7.50
Barrel, with sprinkler attachment only.. 3.50

HAND CART BOX.

Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23½ inches; depth, 8 inches. Hand Cart Box with truck, 2½ in. tires, **$11.00;** without, **$3.25.**

LEAF RACK

Very convenient for the cartage of leaves, cut grass from the lawn, etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep. Leaf Rack, with truck, 2½ in. tires, **$13.00;** without **$5.50.**

GRASS EDGER

"The Planet Junior." Will do either straight or curved edging at a speed of a mile an hour.
Price.....$5.00

HOT BED MATS

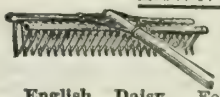
Burlap Mats, lined, waste wool and cotton, quilted. **Size A,** 40x76 in., **$1.10 each; per dozen, $11.00, Size B,** 76x76 in., **$1 50 each; per dozen, $15.00.**

Duck Mats. Same as above, with water-proofed duck on one side to shed rain. **Size C,** 40x76 inches, **$1.50 each; per dozen, $16.00. Size D,** 76x76 inches, **$2.00 each; per dozen, $21.50.**

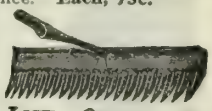
Rattan Mats (Singapore Fibre). Mouse and rot proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on market. 6 ft 2 in. long by 6 ft. wide. **Each, $2.50; dozen, $27.00.**

Straw Mats. Rye straw, 3x6 ft., **each, $1.25; dozen, $14.00.** Same mat, 6x6 ft., **each $2.25; dozen, $25.00.**

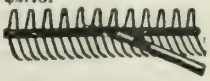
LAWN RAKES.



Automatic Self-Cleaning. A backward motion of the operator clears all the teeth at once. **Each, 75c.**



English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth. **Each, $2.75.**



Lawn Queen. Wire teeth, reversible head. 24 teeth, **each, 45c; 36** teeth, **each, 75c.**

"ILLINOIS" SELF-WATERING FLOWER BOXES

Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water, will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plants leaves the soil in a loose condition, ideal for plant gaowth.

WINDOW BOXES—HANGING BASKETS

Window Boxes

8 in. deep, 10-in. wide.

No.	Length	Price
1	23 in.	$1.60
2	25 in.	1.75
3	27 in.	1.90
4	29 in.	2.05
5	31 in.	2.20
6	33 in.	2.35
7	35 in.	2.50
8	37 in.	2.65
9	39 in.	2.80
10	41 in.	3.00

Porch Boxes

9 in. deep, 12 in. wide.

No.	Length	Price
21	37 in.	$3.00
22	41 in.	3.40
23	45 in.	3.75
24	49 in.	4.00
25	53 in.	4.25

Hanging Baskets

No.	Depth	Square	Price
8	6 in.	8 in.	$1.00
10	7 in.	10 in.	1.25
12	8 in.	12 in.	1.50
14	9 in.	12 in.	1.75

STRAUSS PLANT PROTECTOR

Simple device for protecting plants from early spring frosts, 6½ in. base, 12 in. high.
Each 10c, doz $1.00, 100 $8.00

SPRAYERS AND DUSTERS. FOR APPLYING INSECTICIDES, WET OR DRY.

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber and will withstand a pressure of 150 pounds per square inch.

By using an extension rod the tops of nighest trees can be reached, and as one or two leads of hose may be used, it cannot be surpassed for fast work. Pump can be mounted either on end or side of a wine or kerosene barrel.

Pump complete with agitator suction pipe, brass strainer and two leads ½-inch hose 5 feet long, fitted with Vermorel or Bordeau Nozzles.....$10.00

LITTLE GIANT BUCKET PUMP

The best hand pump made; working parts solid brass; throws continuous stream, either solid or as a mist. Being light it is easily carried around in a bucket, making it just the thing for spraying low bushes, trees, etc. Can also be used for whitewashing. **Price, $3.50;** fitted with lever handle and Bordeaux Nozzle for Whitewashing, **$4.25.**

INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **25c extra.**

Bordeaux Nozzle. Each, 75c; by mail, 80c.

Vermorel Nozzle. Each, 75c; by mail, 80c.

Coupling to fit nozzles to hose. Each 25c.

BAMBOO EXTENSION ROD

Lined with aluminum. Ten feet long, with stop cock. **Each $4.50.**

SPRAYERS AND DUSTERS—Continued

IRON AGE
VERTICAL BARREL SPRAYER PUMP No. 191

For the man with a small orchard or a few trees in the garden, and who cannot afford a power sprayer, but who wants the next best, a hand pump that will give high pressure without too much work. Fits any barrel, but care should be taken that the pump is fastened to the side where barrel is strongest, mounted outside of the barrel where it is easily got at. It is not covered with solution and slime, and it is not likely to be corroded. The only parts inside the barrel are the dasher and the suction pipe. The latter has a fine screen at the bottom so that sediment cannot pass through the pump. The dasher is operated automatically with the pump handle, and keeps the solution mixed thoroughly.

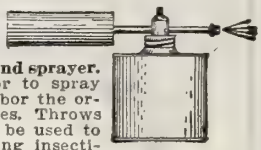
A high-grade Sprayer that will answer for various purposes and be well worth the small investment.

Price $15.00 (without barrel). Barrel will be furnished if necessary, but is not included at the price quoted.

The Auto Spray

Eight to ten strokes of the plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. The "Auto Spray" has been improved by the addition of the "Auto Pop" shown in the illustration. Briefly described the "Auto Pop" is an automatic valve which is closed by the air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. Price, galvanized iron reservoir $4.50, with Auto Pop $5.40; solid brass reservoir $6.75, with Auto Pop $7.65. Extension rods, 2-foot lengths 45c. Two-row attachment, $1.35.

Pneumatic Sprayer.



Compressed air hand sprayer. Enables the operator to spray with one-half the labor the ordinary sprayer requires. Throws a fine mist and can be used to advantage in applying insecticides, etc. One quart size. Galvanized Tank, each, $1.00; Brass Tank, each, $1.75.

The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Dusts two rows at once. Price, $5.50.

Powder Bellows.

American. Used for dusting plants with sulphur or like material. Three sizes, each, 65c, 90c and $1.00.

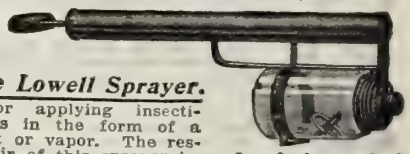
THE BRANDT SPRAYER

This is the first and only knapsack compressed air sprayer on the market that gives an even and uniform spray. The trouble with all compressed air sprayers hitherto offered has been the necessity of pumping them ahead. This makes the pressure too high at the beginning and too low at the end. The result in an uneven discharge. In the "Brandt" the pumping is done during the progress of the work, this filling the tank with pressure as the liquid is discharged. About one stroke of the pump for each 15 to 25 hills of potatoes. The pressure is always under perfect control and is the same at all times, regardless of the amount of solution contained in the tank. Prices:

Galvanized Tank	$5.00
Brass Tank	6.75
Double nozzle for spraying two rows	1.50
Tree nozzle with 3-foot extension	1.50

The Daisy Sprayer.

A splendid little hand sprayer which has the advantage over similar makes that it will spray when held either up or down. The plunger is fitted with a double washer which gives a spray with the backward stroke as well as with the forward. Each, 65c.



The Lowell Sprayer.

For applying insecticides in the form of a mist or vapor. The reservoir of this sprayer is made of glass, which enables the operator to see ingredients mixing. The glass sprayer will not corrode or rust. If broken can be replaced at once with a Mason Fruit Jar. Price, each, 75c; 3 for $2.00.

INSECTICIDES and FUNGICIDES

Arsenate of Lead. Popular remedy for use against all eating insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. **1 lb 25c, 5 lbs $1.00, 10 lbs $1.80, 25 lbs $3.75, 50 lbs $6.75, 100 lbs $13.00.**

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. **Box 25c; by mail 35c, smaller size 15c.**

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. **Per quart $1.00, gallon $2.50.**

Bordeaux Mixture. (Liquid or Paste.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab, or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. **1 qt 40c. gal $1.00, 5 gals $4.50.**

Bordeaux Mixture. (Dry.) Ready for use by simply adding water. **Lb 25c; postpaid 40c, 5 lbs 85c, 28-lb kegs $4.50.**

Fir Tree Oil. Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphis, thrip lice, worms and slugs. **Small bottle 25c, ½ pint 40c, pint 75c, quart $1.25, gallon $4.00.**

Fir Tree Oil Soap. For thrip, red spider, black and green fly, mealy bug, worms. **½ lb. tin, 25c; 2 lbs., 75c.**

Flowers of Sulphur. **Per lb., 10c; 10 lbs., 75c; 25 lbs., $1.50.**

Grape Dust. Excellent for the prevention and destruction of mildew on plants. **Per lb., 10c; 5 lbs., 35c.**

Hellebore Powdered White. Less poisonous than Paris Green and safer to use when fruit is nearly ripe. **Per lb., 30c; by mail, 45c; 5 lbs., $1.40; 10 lbs., $2.50.**

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in Summer dilute with 20 to 30 parts water. **Per qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.00; bbl., 50 gals., 75c per gal.**

Lemon Oil. Destroys mealy bug, scale, thrip, red spider, etc. **½ pint, 50c; pint, 50c; quart, 85c; gal., $2.00.**

Horicum. Sulphur, Lime, Salt, etc., in such proportions as to make an effective wash for use as a preventitive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. **Per gal., $1.00; 5 gals., $4.50.** Write for Barrel prices.

Kil-o-Scale. One of the best remedies for San Jose scale. Perfectly soluble in water in any proportion and will stay in suspension indefinitely. **1 gal., $1.50; 5 gals., $6.75.** Write for Barrel prices.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphis, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. **Per qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.50.**

Nico-Fume. Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. **Price, 24 sheets, 75c, postpaid, 90c; 144 sheets, $3.50; 288 sheets, $6.50.**

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine. **¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50.**

Nicoticide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **4 ozs 70c, ½ pint $1.25, pint $2.50, quart $4.50. ½ gallon $8.25, gallon $15.00.**

Nicotine. Highly concentrated. **Pint, $1.50.**

Persian Insect Powder. **Lb., 40c; by mail, 55c.**

Solution of Copper. For trees, vines or vegetables affected with rot, blight or scab. **Pint, 35c; quart, 60c.**

Slug Shot, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. **Price, 1 lb. carton 15c; 5 lbs. 40c; 25 to 50 lbs., at 5c per lb.; keg of 125 lbs., net, $6.00; barrel in bulk, 250 lbs., $11.50.**

Slug Shot Duster. **Each, 35c.**

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. **¼ lb 10c, ½ lb 18c, lb 30c, 5 lbs $1.40, 14 lbs $3.65.**

Thrip Juice. For mealy bug, scale, thrip, codling moth, canker worm, beetles, caterpillars, etc. **Per pint, 65c.**

Tree Tanglefoot. Perfect safeguard for trees against Gypsy, Browntail and Tussock moths, canker worm, cut worm, ants, and other creeping insects. **1 lb can 30c, 3 lb can 80c.**

Rose Tobacco Soap. One of the best for green fly on roses. **Per ½ lb box 25c (by mail 30c), 2 oz pkg 10c.**

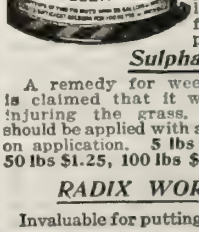
Scalecide. Oil preparation for San Jose scale. **Gal $1.25, 5 gals $5.75, 10 gals $10.75.**

Tobacco Stems. For fumigating. **5 lbs 20c, per 100 lbs $1.50.**

Tobacco Dust. Remedy for aphis, fleas, beetles, etc. **Lb 10c (by mail 25c), 5 lbs 25c, 10 lbs 40c, 100 lbs $3.00**

Fish Oil Soap. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing on trees to prevent worms crawling up. **Per lb 15c, 2 lbs 25c, 5 lbs 50c.**

X. L. All-Liquid Insecticide. English nicotine preparation, harmless to very delicate plants. Kills mealy bug, red spider and white fly. **½ gal $2.00, 1 gal $3.75.**



EUREKA WEED KILLER.

A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under for the whole season.

All who have used this preparation praise it highly. Large size tin, enough for 100 square yards of path, **$1.00; 12 lb. tin, $3.00.**

Sulphate of Iron.

A remedy for weeds on lawns for which it is claimed that it will kill dandelions without injuring the grass. To be successful, liquid should be applied with a fine spray. Full particulars on application. **5 lbs 25c, 10 lbs 40c, 25 lbs 75c, 50 lbs $1.25, 100 lbs $2.25.**

RADIX WORM ERADICATOR

Invaluable for putting greens, lawns and pot plants, effectually destroying worms and other insects without injuring the grass or the most delicate plants.

1 gal $2.00, 2 gals $4.00, 5 gals $9.25.

VAUGHAN'S GARDEN TOOLS and REQUISITES.

BASKETS—Wire Hanging. (Fig. 1.) **6-inch, 10c each; 8-inch, 15c each; 10-inch, 20c each; 12-inch, 25c each; 14-inch, 30c each.**

Rustic Hanging. Diameter bowl **8-inch, each, 75c; 9-inch, 85c; 10-inch, 95c; 11-inch, $1.00; 12-inch, $1.25; 14-inch, $1.75.**

Earthenware Hanging. Terra Cotta (Fig. 1a). Ornamented, with saucer attached.

	Each.	Doz.
7 inch	$0.15	$1.50
8 inch	25	2.25
9 inch	30	3.00
10 inch	40	4.00
12 inch	50	4.75

CARNATION SUPPORTS. (Fig. 2.) Model; wire, 2 rings. **Dozen, 45c; 100, $3.00; 3 rings, doz., 55c; 100, $3.50.**

DANDELION PULLER—The Vaughan. (Fig. 3.) The best Dandelion Puller on the market; made of best steel, after an English pattern; measures 13½ inches and weighs 10 ounces. **Each 50c, by mail 60c.**

DIBBER (Fig. 4). For transplanting vegetable plants; steel point. **Each, 30c; postpaid, 40c.**

FORK. Digging or spading, 4 tines. **Each, 85c.**

FUMIGATORS. (Fig. 5.)

	Each.
No. 1 Eureka, Galvanized, holds ½ pk. of stems	$1.50
" 2 " " " 1 " "	2.00
" 3 " " " ½ bu. "	2.75
" 4 " " " ¾ " "	3.50

GARDEN LINE REEL. (Fig. 6.) **Each, 60c.**

GARDEN LINE. (Fig. 7.) Each heavy braided. **Per 100 feet, 50c; by mail, 60c.**

GLAZING MATERIAL.

GLASS CUTTER AND GLAZING TOOL. Each, 10c.

GLASS CUTTER, DIAMOND. Each, $3.00.

GLAZING POINTS. Van Reyper Perfect. No rights or lefts, No. 2, small, single thick glass; No. 1, large, single thick glass; No. 2½, double thick, for greenhouse and skylights. **Price, per box of 1,000, 70c; by mail, 85c.**

Seibert's Improved. Easy to drive, and made so that they will not wedge or crack the glass in driving them. They are made in 2 sizes, ⅝ and ⅞-inch long. **Price, per lb., 50c; by mail, 65c.**

MASTICA. For glazing greenhouses, hotbeds, sash, etc., much better than putty; does not crack, always remains soft. **Per gallon, $1.35.**

MASTICA MACHINE. (Fig. 10.) For applying above. **Each, $1.25.**

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. Semi-liquid. To be used in same manner as Mastica. **Per gallon, $1.65.**

SCOLLAY'S PUTTY BULB. A useful tool with a tube for applying liquid putty in glazing greenhouses. **Each, 90c.** If by mail, add 10c each for postage.

GLOVES.—Gardener's. (Fig. 8.) Heavy Goatskin. **Per pair, $1.00.**

GRASS HOOKS or Sickles. (Fig. 11.)—**English.** Riveted backs, **each, 50c.**

German. The best cheap Sickle on the market; much used by cemeteries and parks, where tools get hard usage. **Each, 30c.**

GRAFTING WAX. Per ¼-lb. bar, 12c; ½-lb. bar, 20c; 1-lb. bar, 35c. If by mail, add 10c per lb.

HOE.—Draw or Field. Socket Handle. **Each, 50c.**

Combination Draw and Rake. 4½ inches cut and 4 teeth. **Each, 50c;** 6½-inch cut and 6 teeth, **60c.**

English Scuffle or Push. (Fig. 13.) **6-inch, 55c; 8-in., 65c; 10-in., 75c.**

Prong Hoe or Potato Hook. Four tines. 50c.

Warren. The best Garden Hoe made. **Each, 70c.**

Weeding and Cultivating. Single Prong. **Each, 30c.** Double Prong. **Each, 35c.**

HORSE RADISH GRATER. (Fig. 14.) Capacity, 20 lbs. of root per hour; weight, 38 lbs. **Each, $9.00.**

KNIVES.—Asparagus. Vaughan's Straight Cut (Fig. 28). **Each 45c, by mail 50c.**

Asparagus. Vaughan's Concave (Fig. 27). **Each 50c, by mail 55c.**

Budding (Fig. 17). Ivory handle. **Each, $1.10; by mail, $1.20.**

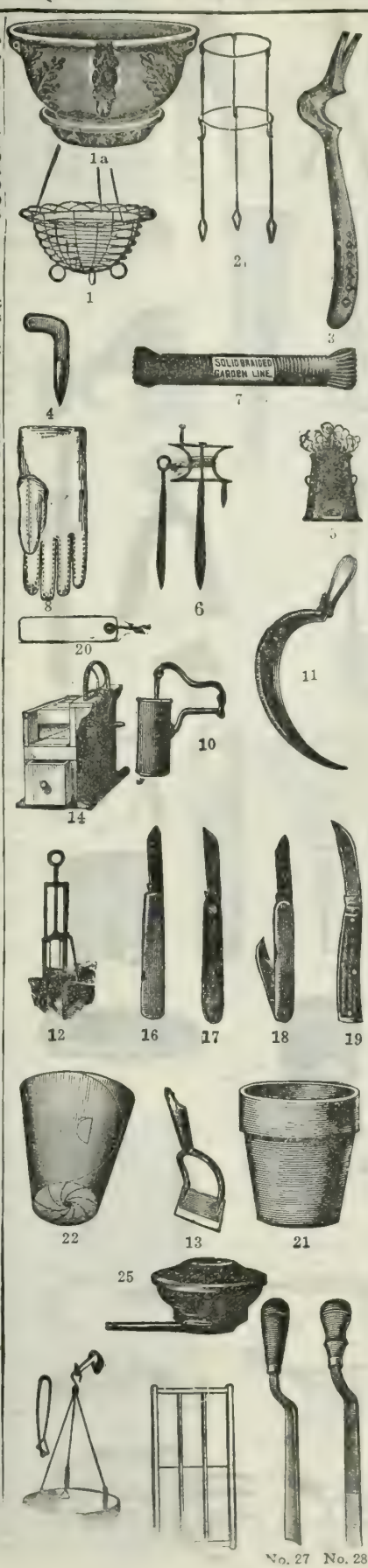
Budding. Black handle, ivory tip, strong. **Each, $1.00 by mail, $1.05.**

Propagating. Ivory handle. **Each, $1.25; by mail, $1.30.**

Propagating (Fig. 16). "The Vaughan," the best of all. **Each, 75c; by mail, 80c.**

Budding and Propagating. (Fig. 18.) 2 blades, ivory handle. **Each, $1.50; by mail, [illegible]**

Pruning. (Fig. 19.) Stag handle. **Each, $1.25; if by mail, $1.30.** [illegible] tool, **75c.**



KNIVES.—German Pruning. Two blades. **Each, $1.25.**

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. **Each, postpaid, 30c; 3 for 75c.**

LABELS.—Aluminum Tree Labels (Fig. 20). They are wired and measure 3¾ inches long, 1 inch wide. **Price, per doz., 30c; 100, $2.00; 1,000, $18.00.**

Glass. Per doz., 25c; per 100, $2.00.

Wooden. For pots, painted.

	100	1000		100	1000
4 in.	$0.15	$1.00	6 in.	$0.25	$1.75
5 in.	.20	1.50	12 in.	.75	6.50
Tree, Copper Wired			3½ in.	.20	1.50

COPPER. Indestructible. Small, **20c doz.; 100, $1.25; large, 25c doz.; 100, $1.50.**

CYPRESS. For use outside, will last for years, 16x1¼ in. **Doz., 25c; 100 for $1.25;** 18x1¾ in., **doz., 30c; 100 for $1.50.**

IRON AGE. Made of galvanized iron. The reading is protected by a sheet of Mica. **Each, 20c; doz., $2.00; 100 for $15.00.**

LEAF MOULD. For potting ferns and like plants. **Bbl., $1.80.**

CARBOLENIUM PAINT. Used on labels will preserve them for years. **Qt., 25c; gallon, $1.25.**

MOLE TRAPS. Out o' Sight. One of the best mole and gopher traps. **Each, 85c.**

Reddick (Fig. 12), **$1.00; German, Old Style, 25c.**

PEAT. For potting orchids, etc. **Per. bbl., $2.50.**

PEAT MUCK. For potting Azaleas. **Per bbl., $2.00.**

PENCILS, Indelible. With tip. For marking labels. **Each, 15c; doz., postpaid, $1.50.**

PLANT BED CLOTH.—For Flower Beds. Cheap substitute for glass, answering many uses equally well. 20 yards and upward, medium, **per yard, 12c;** heavy, **20c;** 50 yards and upward, medium, **per yard, 11c;** heavy **18c;** 100 yards and upward, medium, **per yard, 10c;** heavy, **16c.** We do not sell less than 20 yards of a kind.

POTS, SAUCERS, PANS.

RED FLOWER POTS (Fig. 21).—We pack these carefully but will not be responsible for breakage in transit.

Doz.	100	1000		Doz.	100	1000
2 -inch	$0.12	$0.65	$ 5.50	6-inch	$0.65	$ 4.00	$40.00
2½-inch	.15	0.85	7.00	7-inch	1.00	7.00	.....
3 -inch	.20	1.25	10.00	8-inch	1.40	10.00	.....
4 -inch	.35	1.75	15.00	10-inch	each	.25	
5 -inch	.45	3.50	25.00	12-inch	each	.40	

SAUCERS, RED.

	Doz.	100		Doz.	100
3-inch	$0.15	$1.00	7-inch	$0.50	$3.50
4-inch	.25	1.50	8-inch	.80	5.00
5-inch	.35	2.00	10-inch, each	.15	
6-inch	.45	2.75	12-inch, each	.20	

SAUCERS, FIBRE, waterproof and unbreakable.

	Doz.	100		Doz.	100
4-inch	$1.00	$7.50	8-inch	$1.50	$10.00
5-inch	1.15	8.00	9-inch	1.65	11.00
6-inch	1.25	8.50	10-inch, each	.25 doz.	2.50
7-inch	1.35	9.00	12-inch, each	.30 doz.	1.80

FERN PANS, RED.

	Each.	Doz.		Each.	Doz.
6-inch	$0.07	$0.75	9-inch	$0.15	$1.50
7-inch	.08	.85	10-inch	.25	2.00
8-inch	.12	1.25			

AZALEA PANS, RED.

	Each.	Doz.		Each.	Doz.
5-inch	$0.05	$0.50	9-inch	$0.25	$2.50
6-inch	.07	.75	10-inch	.35	3.50
7-inch	.12	1.25	12-inch	.50	
8-inch	.15	1.50			

NEPONSET PAPER (Fig. 22). Made of waterproof paper and are light, clean, and unbreakable.

	Per 100	1,000		Per 100	1,000
2¼-inch	$0.35	$3.00	4-inch	$0.95	$8.25
2½-inch	.40	3.50	5-inch	1.30	12.00
3 -inch	.60	5.00	6-inch	1.85	16.50
3½-inch	.75	6.25			

POT HANGER. Kramer's (Fig. 24). Converting flower pots into hanging baskets. **Price, each, 15c; doz., postpaid, $1.35.**

POWDER GUN.—Jumbo. (Fig. 25.) **Each, 30c; small size, 10c; by mail, 15c.**

RAKES.—Steel Bow Garden. Best rake; does not break in the center. **12 teeth, 60c; 14 teeth, 75c; 16 teeth, 90c.**

Garden. 12 teeth, 50c; 14 teeth, 60c; 16 teeth, 75c.

Lawn. (See Page 140.)

RAFFIA. The best tying material for plants. **Per lb., 25c; postpaid, 40c.**

SASH HOTBED. (Fig. 26.) Unglazed, for 10-inch glass, each $1.50; 3 for $4.40; doz $17.50.

For 8-inch glass, **each, $1.60; 3 for $4.75; doz., $18.50.**

Write for prices on Glazed Sash.

VAUGHAN'S GARDEN TOOLS and REQUISITES.—*Continued.*

SAWS.—Double Edge Pruning. Holes are provided in the handle for attaching to a pole; **16-inch, 85c; 18-inch, $1.00; 20-inch, $1.15.**

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. **Each, $1.75** extra blades, **25c.**

SCISSORS.—Grape Thinning. (Fig. 28.) **Each, 60c.**

SHEARS.—Hedge. (Fig. 29.) Best imported English.

8-inch,	**$1.25;**	with notch	**$1.40**
9-inch,	**1.50,**	with notch	**1.65**
10-inch,	**1.75,**	with notch	**2.00**

The notch is at the crutch of the blades for cutting small branches.

German Pruning. (Fig. 27.) **4½-inch. Price, each, 90c; 5½-inch, $1.00; 6½-inch, $1.10; 7½-inch, $1.15; 8½-inch, $1.35; 9½-inch, $1.50.**
Extra Springs, each, 15c.

California Pruning. Best grade, with double brass springs and one extra blade. **Each, $2.25.**

Levins Pruning. (Fig. 30.) One of the best pruning shears made. **Each, 50c.**

Sheep. With thumb guard. For trimming grass on edges and around flower beds. **Each, 35c.**

Sheep. Best quality steel, 6½-inch blade, **$1.25.**

Buckeye Pruning. Long handle. **Each, 75c;** large size, heavier, **$1.25.**

Clyde Draw Cut Pruner (Fig. 31). Extra strong, long handle, **$2.25.**

Improved Wire. For cutting annealed wire. **Each, 85c.**

SHOVELS.—Ames—D handle, round point. **Each, $1.35.**

Ames—Long handle, round point. **Each, $1.30.**

Ames—D handle, square point. **Each, $1.30.**

SIEVES.—For sifting soil, 18 inches in diameter, all sizes mesh from ⅛ to ¾ inch. **Each, $1.25.**

SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. **Pk 35c, bu $1.00, bbl $2.00**

SPADES.—Vaughan's—Special D handle (Fig. 32). **Each, $1.25.**

SPRINKLERS.—The Lenox (Fig. 33). A splendid Sprayer for in or outdoor plants, rose bushes, etc. A fine spray may be thrown under, over, or upon the foliage of any plant or shrub, removing the dust and insects. **Each, 35c; by mail, 40c.**

Scollay's Rubber—(Fig. 34). Indispensable for Floral work. **Large, 90c; by mail, $1.00; medium, 75c; by mail, 82c; small, 60c; by mail, 65c.**

STAKES.—Green Painted Wood: very useful for tying plants, shrubs, etc.

	Per doz.	100		Per doz.	100
Light—1½ ft.	$0.20	$1.00	Light—3½ ft.	$0.60	$4.50
Light—2 ft.	.25	1.75	Light—4 ft.	.75	5.50
Light—2½ ft.	.35	2.70	Light—5 ft.	.85	6.50
Light—3 ft.	.50	3.50			

Heavy Dahlia—3 ft	$0.75	$5.50
Heavy Dahlia—4 ft	95	7.00
Heavy Dahlia—5 ft	1.10	8.50

	Per 100	1000
Cane Stakes—6 to 8 ft. long	$1.00	$7.00
Cane Stakes—9 to 12 ft. long, extra heavy	1.60	14.00
Bamboo Stakes—4 to 6 ft. long, light Japanese cane	.75	6.00

Japanese Green Plant Stakes—	Doz.	100	1000
1½ ft	$0.15	$0.50	$4.00
2 ft	.20	.70	5.00
3 ft	.25	1.00	8.00

GALVANIZED WIRE.—

No. 8—	Per doz.	100		Per doz.	100
1½ ft	$0.10	$0.45	3½ ft	$0.25	$1.00
2 ft	.15	.60	4 ft	.30	1.25
2½ ft	.18	.70	5 ft	.35	1.60
3 ft	.20	.85			

STAND, ROLLING.—(Fig. 35.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; **12-inch, 75c; 14-inch, 85c; 16-inch, $1.10; 18-inch, $1.20; 20-inch, $1.50; 22-inch, $1.70.**

SYRINGES—(Fig. 36.) **Brass.—**No. 0, 12½ inch spray for small greenhouses or windows. **$2.00.**

No. 5—Greenhouse syringe, 18-inch barrel, **$6.00.**

English—Brass, No. 11, 18-inch barrel, with two different sprays and one stream, **$4.00.**

Brass—For liquid insecticides. **Each, $1.65.**

THERMOMETERS.—These cannot be sent by mail.

Tin Case. (Fig. 37.) **8-inch, 20c; 6 for $1.00.**

Cabinet. Wood case, **50c; 3 for $1.35.**

Imported German. All glass, very accurate for propagating and hot beds, **30c.**

Hot Bed. Brass point, wooden frame, **$2.00.**

Self-Registering. With magnet to set it, 8-inch, **each, $3.00;** registers highest and lowest temperature. Minimum for registering cold, **$1.65.**

THISTLE CUTTERS.—Narrow blade for removing thistles or weeds from lawns. With foot rest, **50c.**

TOMATO SUPPORTS.—Made of heavy galvanized wire, will last for years.
F. O. B. New York. **Each, 20c; doz., $1.75.**
F. O. B. Chicago. **Each, 25c; doz., $2.00.**

TRELLIS WOOD.—Fan Shape (Fig. 38). **18-inch, 15c; 3 for 40c; 24-inch, 25c; 3 for 60c; 30-inch, 30c; 3 for 75c; 36-inch, 50c; 3 for $1.25; 3½-feet, 21 inches wide, 60c; 4-feet, 27 inches wide, 75c; 5-feet, 32 inches wide, 85c; 6-feet, 38 inches wide, $1.00; 7-feet, 42 inches wide, $1.20.**

Veranda.—18-inch wide, 5 feet, 75c; 6 feet, 85c; 7 feet, $1.00; 8 feet, $1.20; 9 feet, $1.30; 10 feet, $1.50.

TROWELS.—Vaughan's Steel. (Fig. 39.) One solid piece of steel and will outwear all others. **Each, 50c; 3 for $1.40. Postpaid, each, 60c.**

Ordinary Garden. 6-inch, **each, 12c;** prepaid, **20c.**

English Steel. 6-inch. (By mail, add 10c), **25c.**

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being narrow and deeply curved. 7-inch, **25c;** postpaid, **35c.**

TREE PRUNERS—Waters'. (Fig. 40.) Length of pole, **4 feet, 60c; 6 feet, 75c; 8 feet, 90c; 10 feet, $1.00; 12 feet, $1.10.**

Extra Knives, each, 20c.

Lee's New Pole Tree Pruner. Without pole, **$1.00.**
Extra Springs, 15c.

Kansas Tree Pruner. One of the best tree pruners we have ever seen. Write for descriptive circular. With 5½-foot handle, **$3.00.**

TREE SCRAPER.—(Fig. 41.) **With handle. Each, 75c**

FLOWER TUBS.—Columbian. (Fig. 42.) Made of the best pine lumber. Has 12 staves in tapered shape held together by two steel wires. Natural varnish finish. Measurements are outside of tub.

F. O. B. Chicago only.

12 by 11	inches	Each, $1.00;	4 for $3.80
15 by 14	inches	Each, 1.50;	4 for 5.60
18 by 14	inches	Each, 2.00;	4 for 7.50
21 by 18½	inches	Each, 2.50;	4 for 9.40
24 by 20½	inches	Each, 3.00;	4 for 11.00

Union Cypress. (Fig. 43.) These tubs are made of ⅞-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.				
1—11½	in. diam., 11½	in. high	Each, $1.00;	4 for $ 3.60
2—13½	in. diam., 12	in. high	Each, 1.25;	4 for 4.50
3—14	in. diam., 14	in. high	Each, 1.65;	4 for 6.00
4—16	in. diam., 15	in. high	Each, 2.00;	4 for 7.50
5—19	in. diam., 18	in. high	Each, 3.00;	4 for 11.00
6—22	in. diam., 19½	in. high	Each, 3.75;	4 for 13.00

TURF EDGER.—American (Fig. 44). **Each, 50c.**

English. Imported steel blade, only **$1.00.**

VASE.—(Fig. 28B.) **Clara Cemetery.** Glass, 12 in., sharp pointed, **50c**

Fiber. For Cut Flowers. Unbreakable.

9 in. deep, 4½ in. diam	Each,	$0.50
10 in. deep, 5½ in. diam	Each,	.55
13 in. deep, 8 in. diam	Each,	.65
18 in. deep, 5½ in. diam	Each,	.75

WATERING POTS.—American (Fig. 45). Heavy galvanized round can, two copper-faced roses, long spout; **4 quart, $1.75; 6 quart, $2.00; 8 quart, $2.25; 10 quart, $2.50; 12 quart, $2.75.**

French Style. Oval, otherwise same make as above; **6 quart, $2.25; 8 quart, $2.50; 10 quart, $2.75; 12 quart, $3.00.**

WEEDERS.—Combined (Fig. 46). **Each, 25c.**

Eureka (Fig. 47). The best little hand weeder for loosening soil around plants that we know of.
Short handled, 25c; long handled, 35c.
B's Weed Extractor. Price, 60c.

Excelsior (Fig. 48). **Each, 10c.**

Hazeltine (Fig. 49). **Each, 20c.**

Langs (Fig. 50). This we find to be by actual trial a first-class labor saver. **Price, each, 20c; postpaid, 25c.**

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed, can be used as a hoe. **Each, 30c.**

Piqua. Price, $1.00.

WHEELBARROWS.—The Globe Garden (Fig. 51). Inside measurement of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has a 20-inch wheel. **Price, with steel wheel, $3.60.**

The Vaughan Greenhouse. We have had numerous calls for a wheelbarrow which could be used in a greenhouse, the ordinary barrow being too wide for that purpose, and we had built for us a special barrow which will fill this want perfectly. **Price, each, $5.00.**

RAFFIA FIBRE for BASKETS, Etc.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in fourteen different colors, a sample card of which will be mailed upon request.

Natural, bunch (about 3 ozs.)	$0.10	**Colored,** bunch (about 2 ozs.)	$0.10
Natural, per lb	.25	**Colored,** per lb	.50
Natural, 5 lbs	1.00	**Mixed Colors, per bunch**	.10

Special White ..... 2 oz. bunch 10c, 1 lb. 35c, 5 lbs. 1.25
Needles, for Raffia Work ..... per package .10

By mail, 1 cent per ounce extra.

REEDS (RATTAN.)

Since the recent awakening to the importance of basketry Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

	Oz.	¼ Lb.	Lb.		Oz.	¼ Lb.	Lb.
No. 1	$0.10	$0.35	$1.25	No. 5	$0.05	$0.18	$0.60
No. 2	.08	.30	1.00	No. 6	.04	.15	.50
No. 3	.07	.22	.75	No. 8	.04	.13	.45
No. 4	.07	.22	.75				

By mail, 16c per lb. extra.

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. As its name implies, it posseses a delightful fragrance.

Oz ..... $0.10 | ¼ lb $0.25
1 lb ..... .85

WOOD RIBBON.

Imported from Germany. Very thin, 2½ inches wide and comes in 7 fine colors, besides natural. Oz., 12c; ¼ lb., 40c; lb., $1.25.

INDIAN SPLINTS.

Made from ash wood by the Indians. These splints are one-half inch wide. 7 colors, besides natural. Oz., 20c; ¼ lb., 50c; lb., $1.50.

BASKET BOOKS, Postpaid.

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners $0.25
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated 1.00
Raffia and Reed Weaving, Knapp. Cloth. 132 pages, illustrated ..... .50
Indian Basketry. James. Cloth. 402 pages, illustrated 2.50
More Baskets and How to Make Them. White. 157 pages 1.00

How to Make a Flower Garden.

Full of practical information and suggestion. Written by men thoroughly conversant with this subject. Profusely illustrated from photographs showing actual conditions as they exist. The Water Garden, Herbaceous Border, Trees and Shrubs, Spring Bulbous Flowers, etc., treated in detail. Cloth, 370 pages, $1.60.

Garden Making.

By Prof. Bailey. The most up-to-date book on general gardening. Postpaid, $1.50.

Mushrooms: How to Grow Them.

By Falconer. The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has been the means of increasing mushroom growing in this country to enormous proportions. $1.00.

Landscape Gardening.

By Maynard. Gives general idea of landscape work on the home grounds. The many suggestions of this book will be found helpful to anyone who wishes to do landscape work. 338 pages, 165 illustrations. $1.50.

BOOKS.

PRICES QUOTED BELOW INCLUDE POSTAGE.

Alfalfa. F. D. Coburn. Illustrated. Cloth; 164 pages $0.50
American Apple Orchard. F. A. Waugh. Illustrated. 226 pages; Cloth 1.00
American Garden Book (In German). Hans Buschbauer. Cloth; 504 pages 2.00
Art of Propagation. Treats of trees and plants. Paper; 31 pages ..... .30
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages ..... .50
Berry Book, The Biggle. Cloth. 126 pages ..... .50
Bulbs and Tuberous Rooted Plants. Allen. Cloth 1.50
Cabbage and Cauliflower. By Allen. Cloth ..... .50
Carnation Culture. Ward. Illustrated. Cloth; 290 pages 3.50
Carnation Culture. L. L. Lamborn. Cloth; 175 pages 1.50
Carrots and Mangels. Gregory. Paper ..... .30
Celery Manual. Vaughan's. Paper ..... .25
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages ..... .50
Cook Book. Vaughan's Vegetable. Paper, 25c; cloth ..... .40
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth. 587 pages 2.00
Farm Gardening and Seed Growing. By Orange Judd 1.00
Fertilizers. By Prof. E. B. Voorhees. Cloth; 335 pages 1.25
Fertilizers. Gregory. Paper ..... .40
Floriculture. Practical. Henderson. Cloth; 320 pages 1.50
Flower Bulbs. By Rexford. Practical and valuable ..... .25
Forcing Book, The. By Prof. Bailey. A manual of the cultivation of vegetables in glass houses. 86 illustrations. Cloth; 266 pages 1.25
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Double and Single Wheel Hoes

IRON AGE

Hill and Drill Seeders

We are Special Chicago Agents for Iron Age Tools.

When you made garden in the old way, you had to be very fond of it, to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using **"IRON AGE" Wheel Hoes and Drills. With the Wheel Hoes,** you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. **With the Drills,** you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. **A woman, boy or girl** can easily operate any **"IRON AGE"** garden tool. They are indispensable in small gardens as well as large.

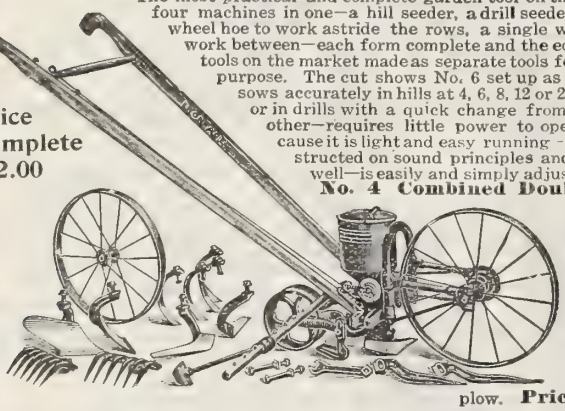
More than 25 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete adaptable tools—the kind you don't want to part with after you have once used them and know what they will do for you.

Transportation charges prepaid to any railroad stations in the United States within 500 miles of Chicago or New York, on order for "Iron Age" tools, or for seeds and tools amounting to $7.50. (Seeds not prepaid unless so offered on other pages.)

No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

The most practical and complete garden tool on the market—four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each form complete and the equal of any tools on the market made as separate tools for separate purpose. The cut shows No. 6 set up as a seeder—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills with a quick change from one to the other—requires little power to operate it because it is light and easy running—is well constructed on sound principles and will wear well—is easily and simply adjusted.

Price Complete $12.00



No. 4 Combined Double and Single Wheel Hoe, and Drill Seeder is like No. 6 except it sows in drills only and has a different plow. **Price $11.00.**

No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6. except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16. **Price, $8.50**

No. 17 Combined Single Wheel Hoe and Drill Seeder is same as No. 15 except that it has no hill-dropping device. **Price $10.00.**

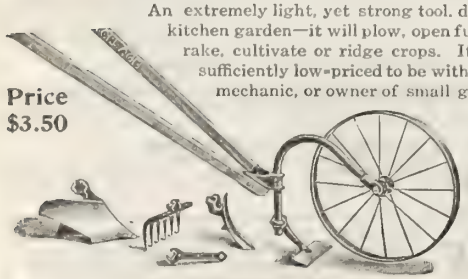
Price Complete $11.00

If wanted as Drill Seeder only, order No. 18. **Price, $7.50**

No. 12. Wheel Plow and Cultivator.

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

Price $3.50

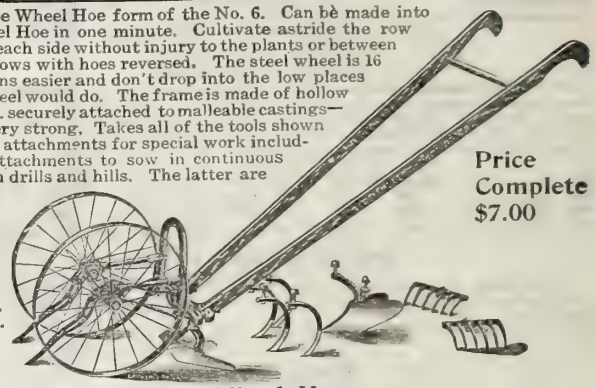


No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only—a good tool to turn over the soil in the chicken yard. **Price, $2.50.**

No. 1 Combined Double and Single Wheel Hoe.

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are $4.00 and $5.00 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. **Price, $4.25.**

Price Complete $7.00



No. 20 Single Wheel Hoe.

Thn Wheel Hoe form of No, 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. **Price, $4.00.**

Price Complete $6.00

No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. **Price, $4.50**

If wanted complete with frame wheel and handles. **Price, $8.00**

Price, Attachment, $4.50

IRON AGE

Farm and Garden Implements.

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By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

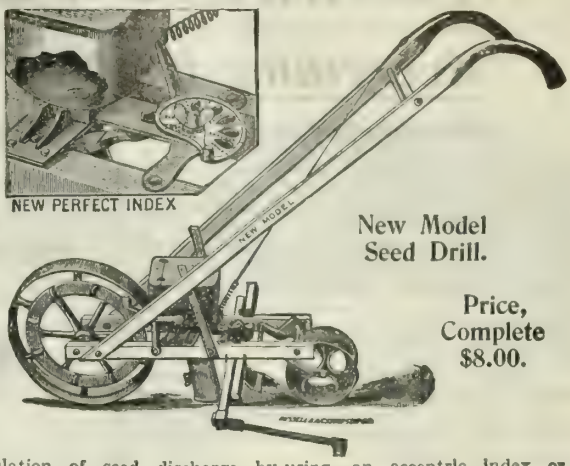
No. 19 C Wheel Cultivator and Plow

Price No. 19 C $3.50

24-inch Wheel Steel Frame; Adjustable Handles.

The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

NEW PERFECT INDEX



New Model Seed Drill.

Price, Complete $8.00.

New Model Seed Drill.

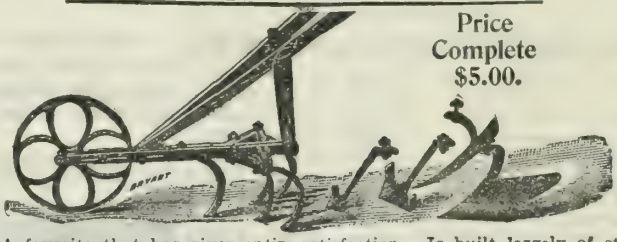
Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

No. 9 Single Wheel Hoe, Cultivator, Plow and Rake.

Price Complete $5.25

For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished. If wanted **with side hoes only,** order **No. 10. Price, $3.25.**

"Gem" Single Wheel Garden Hoe.



Price Complete $5.00.

A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

No. 10 Wheel Hoe—A Good Tool With Which to Work Onions.

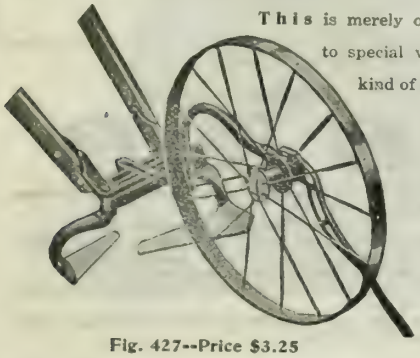


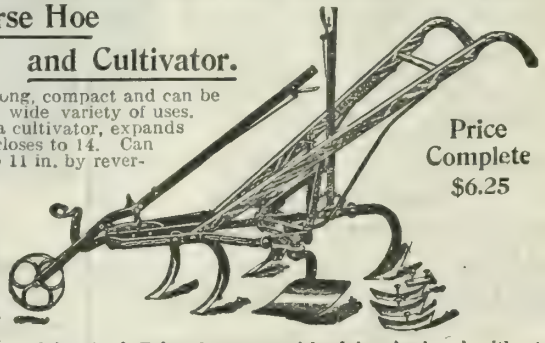
Fig. 427--Price $3.25

This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

No. 18 B Iron Age Drill

Is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows. This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18 B, $7.50.

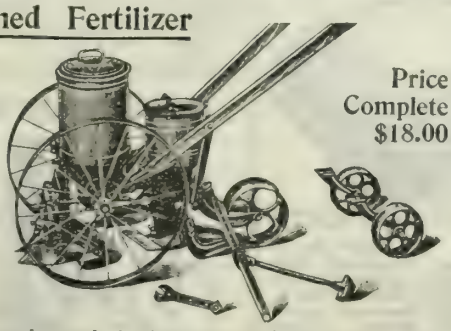
No. 6 Horse Hoe and Cultivator.



Price Complete $6.25

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price **$5.75,** or with plain wheel and without lever expander, Price, **$5.00.**

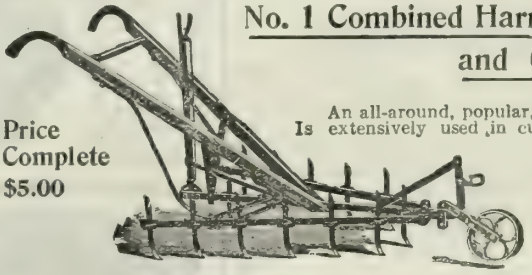
No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder.



Price Complete $18.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed — no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

No. 1 Combined Harrow and Cultivator.



Price Complete $5.00

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, **$4.50.**

Double Celery Hiller.

Price Complete $15.00

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 inches long, adjustable in height or width as wanted.

Note: New Line of

IRON AGE BARREL SPRAYERS

is shown on page 148

VAUGHAN'S POULTRY DEPARTMENT

Everything for the Poultryman and Pigeon Fancier

EGGS FOR HATCHING

We contract each season with reliable breeders whose pens are mated with careful attention to fertility of eggs. We carry no eggs in our stores, but supply fresh-laid stock from the pens after receiving your order. Shipments are carefully inspected and packed and forwarded by express. While we take the greatest care to maintain purity of stock, fresh eggs and careful packing, there are so many risks involved that we can at these prices give no guarantee whatever regarding the results.

No eggs are likely to hatch that are placed under a lousy or unsteady hen, or in an unclean or loosely constructed nest. If eggs are received from a long distance by rail do not set until after resting them twenty-four hours.

TERMS.—All orders for EGGS and POULTRY are STRICTLY CASH with orders, customers to pay express charges.

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	Per 13	Per 30	Per 50
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Buff Leghorns	3 00	5 00	8 00
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Black Minorcas...Single Comb	3 00	5 00	8 00
Black Minorcas...Rose Comb	3 00	5 00	8 00
Black Orpington.Single Comb	3 00	5 00	8 00
Buff Orpington...Rose Comb	3 00	5 00	8 00
Buff Orpington...Single Comb	3 00	5 00	8 00
White Orpington.Single Comb	3 00	5 00	8 00
Houdans (French and Ornamental)	3 00	5 00	8 00
WATER FOWL	**6 Eggs**	**10 Eggs**	**25 Eggs**
White Pekin Ducks	$1 25	$2 00	$3 50
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SPECIAL DELIVERY SERVICE

All Poultry Orders amounting to $3.00 or over we deliver free anywhere within 25 miles of our Chicago store—oyster shells and grit excepted, unless accompanied by general order. This does not apply to goods sold at wholesale or in cases where a special price is quoted. Outside 25-mile limit, prices F. O. B. Chicago.

PRICES OF STOCK FOR BREEDING FURNISHED ON APPLICATION

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If this Catalogue does not contain what you want in Poultry and Pigeon Supplies, write us at once and we will gladly give you any and all information that we can.

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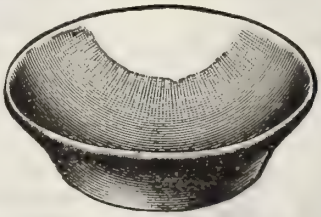
MUIR'S BOSS PERCH.

A good perch made of seasoned hard wood and has no sharp corners, easily put up; keeps the birds clean prevents fighting in the loft.
Each ..... .08
Price per dozen $0.85
Price per 100 ..... 6.75

THE JERSEY PERCH.

Made of seasoned maple and coppered steel wire in two sizes. It has no staples or nails, screws into the woodwork of the loft without the aid of any tool. Can be placed anywhere in the loft and taken down without breaking. It does not leave an unsightly mark when removed.
Each 6c
Dozen 65c

VAUGHAN'S CLAY PIGEON NESTS.



Made of very high grade and valuable clay terra cotta in color, well formed in design and superior in finish. Diameter 8 in. Each, 15c; doz., $1.25; 100, $9.00.

VAUGHAN'S WOODEN PIGEON NESTS.

Made out of hard maple. Regular size, diameter 8 inches. Can be fastened to wall if desired. These nests are preferred by many pigeon fanciers to the earthenware ones on account of their smooth finish which makes it hard for dirt to accumulate and easy to clean them.
Price, each ..... 10c **Dozen** $1.10

VAUGHAN'S SALT CAT

An aromatic nutritive and tonic combination for homing and fancy pigeons, game fowls, pheasants, turkeys, etc. **Price, per package** ..... 15 cts

VAUGHAN'S PIGEON FOOD.

A scientifically prepared Balanced Ration Food. Especially adapted to the growth of young pigeons and squabs. It makes the best general feed for all kinds of Fancy and domestic Pigeons. Keeps the birds healthy and develops shape, style and plumage to a remarkable degree. As a foundation food it has no equal.

Put up in the following packages.
5-lb. cartons ..... $0.25 50-lb. sacks $1.50
25-lb. sacks ..... 1.00 100-lb. sacks 2.50

FOUST'S HEALTH GRIT

This Grit is not intended to take the place of digesting grits. It is, as the name implies, recommended as a health grit for pigeons and contains ingredients that form bone and muscle, and acts as an all-around condition powder. Its action is noticeable from the day you start using it.

100 lbs ..... $2 00 25 lbs $0 75
50 lbs ..... 1 15 5 lbs 25

IMPERIAL REMEDIES FOR SICK PIGEONS

The cheapest, most convenient and reliable remedies on the market. No other remedies are so effectual.

A2 For Epilepsy, Dizziness, etc.
A5—For Feather Troubles and Moulting.
A6—Cures Roup.
F —Cures Cholera.
I —Cures Diarrhœa.
M —Cures Canker.
O —Cures Colds.

Price, 35c per box. Three boxes, assorted if desired, for $1.00 by mail.

PIGEON BANDS.

Seamless and open Aluminum Bands. Made in three sizes, as follows:

Prices of Open Aluminum Bands
Plain or Numbered Only, all sizes, per dozen, 20c; per 25, 35c; per 50, 60c; per 100, $1.00.
Prices on Seamless Aluminum Bands
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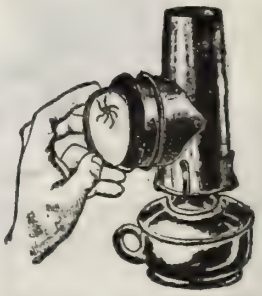
Practical Pigeon-Keeper 1 50
National Standard Squab Book. By Elmer C. Rice 1 00
Working Homer. By J. A. Webber 50

PRAIRIE STATE EGG TESTER.



One of these testers is given free with every Prairie State Incubator sold. It fits any No. 2 lamp burner and makes a strong, powerful light for the egg so that any person can easily determine the fertility. We sell at the low price of **30 cents each. By mail, 35 cents.**

☞ Do not forget to visit our **Poultry News Stand.** All the Leading Journals, 5 cents each.

. . . VAUGHAN'S INCUBATOR AND BROODER PAGE . . .

COMBINATION No. 1 COLONY BROODER.

"THE POULTRYMAN'S FAVORITE."

The proper device for rearing is just as necessary as a good machine for hatching. For outdoor use, the Combination Colony House Brooders have no equal. Being carefully built, they maintain the desired temperature as well as the best ventilation under all the varying conditions of weather. Zero weather has no ill effects and you can rest assured that your chicks are safe and comfortable either with a rain, hail or snow storm raging outdoors. Large and convenient, they are all one could desire; the sanitary conditions are easily maintained because of the plan of construction.

No. 2 COLONY BROODER

No. 2 COLONY BROODER.

The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards with dead air space and heavy strawboard insulator, all of which is covered with the best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior.

No. 3 COLONY BROODER

This brooder is constructed on the same general plan and lines as the larger Colony Houses and has proven equally satisfactory in practical use. We believe it is the best brooder that has ever been offered to poultry raisers for the money.

PRAIRIE STATE UNIVERSAL HOVERS

This device is what we use in all of our popular colony brooders. On account of its adaptability to so many varying conditions and the fact that it furnishes the heat needed in all kinds of weather makes it valuable to everybody.

The hover can be used in any style of box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with the bottom heat.

PRICES OF COMBINATION COLONY BROODERS

No. 1.—(Outdoor) Floor space 36x72 inches—weight crated, 300 lbs	$20 00
No. 2.—(Outdoor) Floor space 30x60 inches—weight crated, 208 lbs	16 00
No. 3.—(Outdoor) Floor space 27x48 inches—weight crated, 150 lbs	12 00
No. 5.—(Indoor) Floor space 36x36 inches—weight crated, 100 lbs	12 00
Heat regulator attached to any of the above brooders $1.00 extra.	
Hover with lamp case, smoke conductor, lamp and thermometer	7 00
When used indoors alone, lamp case is not required.	
Hover and lamp with smoke pipes	6 00
With regulator attached, $1.00 extra.	

"PRAIRIE STATE" DIFFUSION INCUBATORS

THE EDDY-CURRENT DISTRIBUTOR

In the present Prairie State Incubator we have embodied a new principle in heat distribution. We use the eddy current as a vehicle for carrying the hot air to the cold parts of the machine, thus changing it from a detrimental to a beneficial feature. The greater the difference of temperature in the radiator the more rapid is the induced circulation. We practically secure by means of a gravity circulation the same result that is attained by a mechanical agitator in the radiator.

The ventilating current in the egg chamber, whether on full or shut off completely, does not influence the self-evening or automatic heat distribution, nor is the heat distribution affected by the width of the opening of the regulator valve; a feature not possessed by any other system of heat distribution.

We guarantee the distribution of heat to be more uniform under greater ranges of temperature than in any other incubator now on the market.

The heat is so uniformly distributed that we use a flat tray in the largest machine. The flat-bottom tray conduces to the quickness and ease in turning.

The eggs can be moved and mixed in less time than in any other way. The sloping tray in an incubator indicates a hot center. If the slope is correct for a warm room, it will be wrong for a cold room. The result is a compromise, with more or less faulty heat distribution.

DIFFUSIVE HEAT

By the diffusive method, heat is carried to the eggs by a hot-air current forced usually through felt, cloth or burlap, in the upper part of the egg-chamber. The most serious criticism that can be brought against this type of heating is when the diffusion screens are used. We have never been able in our experiments to secure as many or as strong chicks as when they are left out. The advantages of the diffusive method are the ease by which the temperature in the incubator can be controlled, and the uniformity in the distribution of heat.

INCUBATOR Jr. No. 2

The No. 2 Junior Incubator is a good low-priced machine. It has the highest hatching power of any machine on the market, outside of our "Radio-Diffusive" Prairie State; in all respects being equal, except it does not have as heavy a case, nor will it operate in a room of as high a temperature. That is, we do not mean to say the machine cannot be operated in a warm room, but when operated in a warm room the lamp has to be turned down, whereas the other machine does not.

This machine is for the farmer, the poultryman or those who raise poultry in limited numbers, and owing to their small size, to reduce the care and attention required to the minimum, or the lack of experience in operators, every automatic feature that could be incorporated in an incubator has been used without the multitude of parts; no trap-doors, felts or tubes to bewilder or confuse the user. It comes the nearest to putting in your eggs and taking out your chicks of any incubator with which we are acquainted.

VENTILATION AND MOISTURE

These factors in artificial incubation are so intimately connected that they should be treated together. To supply oxygen and remove waste from the growing germs, or, as it is commonly termed, ventilation, is secured in the Prairie State Incubator from the heating current, which enters the egg-chamber in the upper part and is broken up into very small particles by the eddy-current distributor, situated in the upper part of the egg-chamber. This current of warm, pure air enters from the heater and is forced continually through the egg-chamber. At this point the difference between our machine and all others occurs. In all other incubators of the diffusion type, the heating current passes down through the eggs and through apertures or diaphragms in the bottom of the machine to outside, or by a return duct to the heater. Our heating current comes down part way in egg-chamber and passes through apertures in the walls above eggs, so the direct current is only in the upper part of the egg-chamber and what ventilation the eggs receive is through molecular diffusion. The air, after passing through apertures in the walls, passes downward into an air-tight space under the nursery where it is released, thoroughly warming the bottom of the machine, and then passes through holes in the bottom of the incubator to the outside air. Do not misunderstand: we do not apply bottom heat to the eggs. This air current only warms the nursery sufficiently to take the chill off, from 85° to 90°, depending upon the temperature of the room in which the incubator stands.

Evaporation from the eggs is prevented by covering the entire bottom of machine with a galvanized-iron pan containing wet sand. This moisture is being constantly given off underneath the eggs and is a very close approach to the conditions found with a natural hen, that steals her nest upon the ground, there being no current through the nursery during the process of incubation.

PRICE LIST OF INCUBATORS

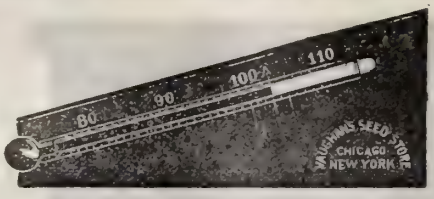
No. 0.—Diffusion, 100 hen eggs—87 lbs. net weight; 35 lbs. crated	$18 00
No. 1.—Diffusion, 150 hen eggs—108 lbs. net weight; 160 lbs. crated	22 50
No. 2.—Diffusion, 240 hen eggs—175 lbs. net weight; 240 lbs. crated	32 00
No. 3.—Diffusion, 390 hen eggs—220 lbs. net weight; 275 lbs. crated	38 00
No. 2.—Junior, 115 hen eggs capacity—70 lbs. net weight; 95 lbs crated	15 00

CAPONIZING SETS

Poultrymen can double their profits by Caponizing their chicks. The operation is very simple--the book of instructions sent with every set is so full and explicit that any one will be able to do the work. The demands for Capons far exceeds supply, the price being double that for ordinary chicks. Caponizing largely increases the weight of fowl causing them often to grow as large as turkeys, and making the meat a finer flavor, very juicy and tender.

Philadelphia Caponizing Set, complete.....$2 50
Farmer's Caponizing Set, complete..... 3 00
Special Caponizing Set, complete..... 4 00

THERMOMETERS



CERTIFIED THERMOMETER

Vaughan's Certified Thermometer, highly sensitive. Each one is thoroughly tested before leaving factory. For incubators only.
Price, each.....$1 25
By mail at purchaser's risk..... 1 35

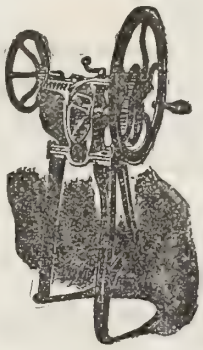
PRAIRIE STATE THERMOMETERS

These thermometers are especially adapted to the Prairie State Incubators and Brooders and should invariably be used with these machines. These thermometers are well made, thoroughly tested and fully guaranteed. These tubes are seasoned for two years before used.

Brooder Ther. for hover, by mail....60c
Brooder Ther. for hover, at store....50c
Reclining Ther., by mail.....85c
Reclining Ther., at store.....70c

BONE CUTTERS.

THE HUMPHREY BONE MILL.



NO. 1 HUMPHREY.

The Hopper is an open bowl tapering from top to bottom and closed on one side by the revolving head casting carrying 4 cutting knives, and on the other by the pivoted wing. The cutting head consists of a disk nine inches diameter with four slots radiating at right angles from a common center, with heavy braces in the back to insure strength, and with recesses in the face in which the knives are placed even with surface of the plate. The power is applied by the double leverage secured by having the turning handle at the outer edge or rim of a large fly wheel, the axle of which is a small cog wheel which engages with a larger wheel, to which cutting knives are attached, thus securing a great force with the smallest possible expenditure of energy.

The No. 2 Humphrey in appearance is the same as No. 1, but is made from heavier patterns and supplied with a pulley wheel made to run by power.

No. 1. Hand Power.....$12 00
No. 2. Power only..... 13 50
No. 2½. Hand and Power..... 15 00

MANN BONE CUTTERS.

No. 5B. For bench use. Price, $8.00.

No. 7 is intended for a flock of 50 to 100 hens. Weight, 107 pounds. Price, $12.00.

Mann's No. 9. The description of No. 7 will apply to this machine. The difference consists in larger cylinder, greater holding capacity, different design and larger table. Weight, 163 pounds. Price, $18.40.

CROWN BONE CUTTER.

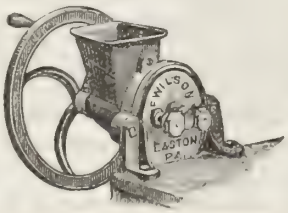
This machine cuts meat or bone equally well. It has steel knives which can easily be taken out, sharpened and replaced. The cutter is always ready, quickly cleaned, turns easily and cuts fast. The material to be cut is in hopper and pressed down with a lever which requires very little pressure by the operator. It is furnished with stand complete, or can be fastened to a bench instead.

PRICES.
Weight, with stand, 80 lbs. Price..... $8 00
Weight, without stand, 50 lbs. Price..... 6 50

WILSON DRY BONE MILL

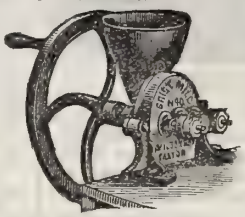
This Mill will grind dry bones, shells, all kinds of grain, gravel, stones and old crockery.

Price, without stand, $5.00; weight, 33 lbs. Price with stand, $7.00; weight 64 lbs. Diameter of hand wheel 22 inches.



NO. 1 DRY BONE SHELL AND CORN MILL.

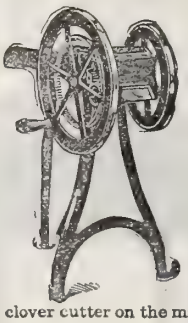
WILSON No. 0 MILL.



NO. 0 FAMILY GRIST MILL.

This Mill is especially made for grinding Graham flour or corn-meal for table use. It can also be adjusted for cracking grain if desired. The grinding surfaces are of very hard material, especially made for this purpose, and are ground off perfectly true on emery wheels, and will last for years. The shaft is made of steel and will not bend or break. Diameter of hand wheel, 20 inches; without stand, weight, 30 lbs. Price, $5.00. With stand, weight, 60 lbs. Price, $7.00.

THE HUMPHREY CLOVER CUTTER.



A heavy well finished machine to cut clover and alfalfa hay into pieces one-eighth inch and less. By the ingenious use of plates and screens all long stems are passed back to the cutters to be recut, so that the product is of even length and of a size that makes it the best prepared green food given to poultry. Forty cuts of the knife for each revolution of the hand wheel makes speedy work of clover cutting, and the heavy balance wheel makes easy work for the operator. The bed knife is double edged, giving double the wear of any clover cutter on the market. Price, $10.00.

SUCCESS WHITEWASH AND SPRAY PUMP.

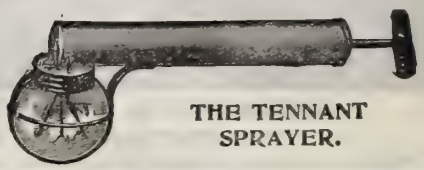
This spray pump is a most excellent one for use in gardens, greenhouses, orchards, washing windows and buggies, also for whitewashing and spraying poultry houses. It is fitted with a Bordeaux nozzle, which is the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has a large air chamber which throws an absolutely continuous stream solid or in fine spray. We consider it one of the best pumps made for the money.

Price, complete.....$4.00

THE O-2 WHITEWASH SPRAYER

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with 3 feet discharge hose, shut-off cock, and our Star spray nozzle and shoulder strap.

DIRECTIONS—Unscrew top lid and remove the pump. Strain liquid or covering material to be used into the tank until full within two or three inches of top; place the pump in tank and be sure to screw the lid down perfectly tight. Pump about 10 to 20 strokes with pump, which will charge tank with about 50 pounds pressure; open spray cock and you are ready for work. Price, $6.50.



THE TENNANT SPRAYER.

The receptacle is a new and special design of extra heavy glass, well protected with a spring steel lantern wire guard. Holds about a quart of liquid; easily filled and washed out; contents always in sight. Pint or quart Mason fruit jar may be screwed in the can if desired.

Large size, 75c. Medium size, 60c. Small size, 40c.

ROGER'S POULTRY PUNCH

There is no better or quicker way of marking poultry than by this punch, as over 200 different marks can be made by punching web between toes; for instance, between the first and second toe of the right foot can mean Wyandotte or Plymouth Rock, between the second and third toe, White Leghorns or Langshan. Price postpaid, each.....27 cts

SPRING LEVER POULTRY PUNCH.

The best and most satisfactory punch yet produced. It is self-opening, perfectly aligned, absolutely accurate, handsomely finished, carefully tested and exceedingly cheap. Spring lever.

Price postpaid, each.....27c

CLIMAX LEG BANDS.

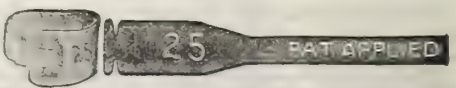
CLOSED.

These bands have been on the market for years and have proved a most satisfactory device for marking poultry. They are especially desired for marking birds with feathered legs, and are neat, simple and easy to put on, and absolutely secure if properly applied. Rings are made of spring brass and tags of aluminum.

Sizes: No. 1, ½ in, No. 2, ⅝ in. No. 3, ¾ in. No. 4, ⅞ in. No. 5, 1 in. No. 6, 1⅛ in.

Prices postpaid: Per doz., 25c; per 25, 40c; per 50, 75c; per 100, $1.35 Write for prices on larger lots.

IMPROVED CHAMPION LEG BANDS.



The oldest and most popular band on the market. It is made in one piece, adjustable to fit any leg. It will stay where you put it. It is impossible for it to come off, as it is held by a double lock. Made of aluminum.

Prices: 12, 15c; 25, 25c; 50, 40c; 100, 75c, postpaid

THE SMITH SEALED LEG BANDS

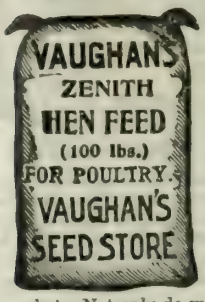
Prices: 12, 30c; 25, 50 cts; 60c. $1,00; 100, $1.50

Bands stamped with initials and numbers or name and address. 5c for 50 or less; 10c per 100 extra.

SEALERS
For Smith-Sealed Leg-Bands.

Plain.....each, 50c Lettered Jaw.....each, 65c
Nickeled.....each 75c Nickeled-Lettered Jaw..90c

VAUGHAN'S
ZENITH HEN FEED



It contains no grit, no shell or other weight-making ingredients. Every ounce of Zenith Feed is an ounce of pure grain.

Vaughan's Zenith Hen Feed is a very superior mixed feed which meets all the requirements of maturing chicks and laying hens. The feed is composed of only sound, sweet grain, as we never use any damaged grain in this feed.

The mixture is made carefully and scientifically and is the cleanest and best balanced ration on the market. Not only do we use great care in choosing the grain, but after thorough mixing, we thoroughly clean from all dust and too finely-ground particles by means of our electric dusting apparatus. We thus insure our customers a food that has a minimum of waste.

Because **Zenith** is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs	$2 35	25 lbs	$0 75
50 lbs	1 25	10 lbs	35
		5 lbs	20

VAUGHAN'S CHICK FOOD

This contains all that is necessary for chickens until they are four or five months old, except water (skimmed milk is best) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages.

GRADES.

A—For chicks up to six weeks old.

C—For chicks six weeks to four months old.

Chicks grow strong and healthy if fed with **Vaughan's Chick Food**

NET PRICES

100-lb bags	$2 50	25-lb bags	$1 00
50-lb bags	1 50	5-lb carton	25

VAUGHAN'S GROUND BEEF SCRAPS

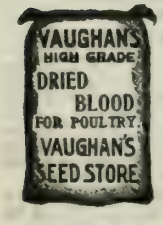
Or Prepared Meat for Poultry.

This is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for eggs prevail at this season of the year it makes very profitable feeding.

100 lbs	$3 25	25 lbs	$1 30
50 lbs	1 85	5 lbs	25

DRIED BLOOD MEAL



This is a highly concentrated form of animal food, rich in albumen and egg-forming materials. Do not think it is expensive because price is higher per weight than other animal foods, as much less is required. It is odorless and contains only pure blood, which makes it the cheapest animal egg food on the market today.

100-lb bags, each	$3 40
50-lb bags, each	1 75
25-lb bags, each	90
5-lb cartons, each	25

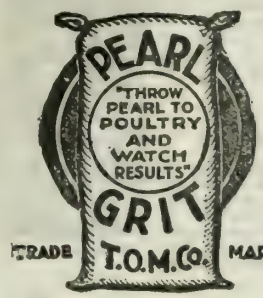
VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, for the purpose of furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs	$3 00	25 lbs	$1 25
50 lbs	1 75	5 lbs	25

VAUGHAN'S COMPLETE PEARL GRIT.

The Proper Feed for Fowls.



To get the best results they must be made strong, healthy and prolific. They need shell-forming, feather-building, sinew-strengthening materials that will invigorate the system and develop their laying qualities. Pearl Grit is a grit and shell-maker combined. Guaranteed to contain all essential properties of both grit and shell.

PRICE:

100 lbs	75c	25 lbs	25c
50 lbs	45c	5 lbs	10c

CRUSHED OYSTER SHELLS

100 lbs	$0 85	25 lbs	$0 25
50 lbs	50	5 lbs	10

GROUND BONE

Coarse Ground, for large poultry, and Granulated for young chicks and pigeons.

200 lbs	$4 75	25 lbs	$0 75
100 lbs	2 50	5 lbs	25
50 lbs	1 50		

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb $0 35

CHARCOAL

Coarse Ground, for large poultry, and Granulated for young chicks and pigeons.

100 lbs	$2 25	10 lbs	$0 50
50 lbs	1 25	1 lb	10

HULLED OATS

Hulled Oats are excellent for feeding young poultry, especially ducks and young turkeys. They are far superior to wheat, corn, rye and other grains, being easily assimilated, and contain more bone and muscle-making properties than other grains.

100 lbs	$3 00	25 lbs	$1 25
50 lbs	1 75	5 lbs	25

SEED OATS FOR SPROUTING

Poultry raisers, realizing the value of a green food during the winter months, are now using seed oats for sprouting to meet the requirement of their flocks, seed oats giving better satisfaction than inferior grades, because of their high germination.

Price, F. O. B. Chicago, peck 35c, bu $1.00.

CRACKED CORN

Valuable for mixing and feeding with other grains.

100 lbs	$2 00	25 lbs	$0 60
50 lbs	1 00	5 lbs	20

HARD RED WHEAT FOR PIGEONS

Extra choice recleaned seed.

100 lbs	$2 75	5 lbs	$0 25
25 lbs	85		

TARES OR VETCHES

Used extensively for feeding pigeons.

100 lbs	$5 25	5 lbs	$0 40
25 lbs	1 60		

PHEASANTS' FOOD

Crissel or Prairie Meat is a carefully selected meat preparation for pheasants and young chickens. It is a substitute for ant eggs and other insects. It contains neither pork, bone or fat of any kind, being nothing but a pure meat product. It is used by all the large pheasant breeders of England and America.

100 lbs	$5 75	25 lbs	$1 65
50 lbs	3 00	5 lbs	35

SPRATT'S GAME MEAL

This is a complete balanced ration carefully put up for pheasants and all game fowl.

100 lbs	$6 00	25 lbs	$1 90
50 lbs	3 25	5 lbs	40

VAUGHAN'S ZENITH CONDITION POWDER.

As the name implies it stands at the head of Condition Powders. It is scientically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of egg production, it stands to reason that a condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enables them to bear up under the egg-forcing process.

15 oz. box	15c	2¼ lbs. box	25c
6 lbs			50c

Full directions for feeding on each package.

PRATT'S POULTRY FOOD.

A guaranteed egg producer. Purely vegetable. Highly concentrated. Absolutely pure. Coupons for pictures of all standard bred fowls and directions for feeding in every package.

25 ounce packages, each	$0.25
25 ounce packages, per dozen	2.50
5 pound packages, each	.60

CONKEY'S LAYING TONIC

In order for the hen to lay the greatest number of eggs, her health must be in perfect condition and the egg-producing organs kept free from irritation and disease. There have been put upon the market many so-called egg producers which are irritants in themselves, while others are simply frauds, producing no effect whatever, and having no value except, perhaps, as foods for which you are paying ridiculous prices.

Price, 1½ lb pkg. ..... 25c 3¼ lb pkg. 50c

ALFALFA CLOVER MEAL.

By the use of new and improved machinery we are now enabled to offer to our poultry patrons the best and finest clover meal yet produced. Every part of the clover stalk, leaf and blossom is ground together so that the fowl gets all the substance and material entering into this great food product which comes nearest to a natural perfect balanced ration of any grain or vegetable obtainable. This meal readily mixes with any kind of mash or ground feed and can be fed to young chicks as well as older birds. It adds greatly to the luster and plumage of poultry and keeps them healthy and vigorous all winter when green feed is scarce and not easily supplied.

100 lbs	$2.00	25 lbs	75c
50 lbs	1.15	10 lbs	40c

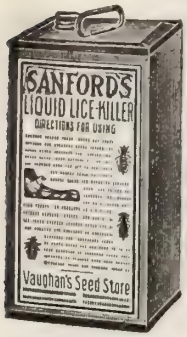
"YANKEE" CORN.

This is a small kernel flint corn extensively used in conditioning show birds and especially for Games. Our stock is selected with great care and we offer it very low. Prices are subject to market changes.

PRICE:

100 lbs	$2.50
50 lbs	1.50
25 lbs	.90
10 lbs	.45
5 lbs	.25

SANFORD'S LIQUID LICE KILLER



Probably no one cause, or even many causes combined, has discouraged and ruined more poultry raisers than lice. There are several varieties and they find refuge in every nook, crack and corner of coops, houses and buildings where poultry is kept. They inhabit the nests, cover young chicks as soon as hatched, stop hens laying and make sad havoc everywhere if not checked. There are in fact few flocks free from these blood-sucking pests which kill more fowls and young chicks than any other cause. Sanford's Liquid Lice Killer successfully exterminates all kinds of lice that infest poultry and turns a flock of droopy, dejected, profitless fowls into a happy, vigorous, money-making colony. It is worth many times its cost; contains no harmful ingredients to either fowls or persons, but is sure death to all kinds of vermin. It is easy of application. Will furnish immediate relief. No trouble to follow directions which are given upon every package.

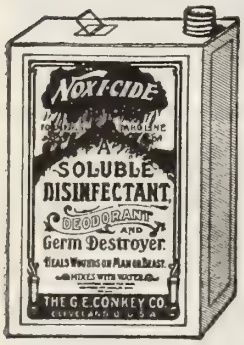
1 gallon size.....$1 00
½ gallon size..... 60
1 quart size..... 35

CONKEY'S LICE LIQUID.

There are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the Mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 gal $1.00.....½ gal 60c.....1 qt 35c

CONKEY'S NOX-I-CIDE



The majority of dangerous poultry diseases may be traced to the presence of germs which thrive in filth and uncleanliness. Conkey's Nox-i-cide is a soluble disinfectant, deodorant and germ destroyer. It mixes with water, in correct proportion for using, one gallon making 101 gallons of ready-to-use liquid. Cheap and effective; unexcelled for cleaning and purifying the houses, runs, brooders, founts and utensils.

PRICE

1 pint.....$0 35
1 quart..... 60
2 quarts..... 90

SANFORD'S LICE POWDER

THE BEST ON THE MARKET

Those who try one package will use no other.

Removes that itchy feeling.

Three Sizes

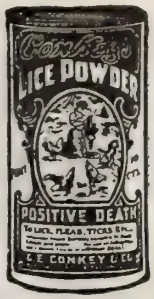
16-oz. package..... 25
48-oz. package..... 50
100-oz. package..... 1 00

CONKEY'S HEAD LICE OINTMENT

This Ointment kills head lice on young chickens. Cures scaly legs.

1 Oz.....10c 3 oz.....25c

CONKEY'S LICE POWDER.



Where Conkey's Lice Powder is properly used, fine results are assured. Hens that spend the day picking and scratching, in a vain effort to rid themselves of parasites, cannot give satisfactory returns, and because of their lack of vitality, are susceptible to all kinds of disease,

Conkey's Lice Powder

is guaranteed to please you. It will kill lice on poultry, cattle and horses, fleas on dogs, and vermin of all kinds. It will also kill bugs on cucumber, squash and melon vines, on rose bushes, etc. It is also an effective disinfectant and germ destroyer.

15-oz pkg.....25c

CONKEY'S WHITE DIARRHOEA REMEDY

Thousands and thousands of little chicks die each year from this fatal white diarrhœa, Conkey's White Diarrhœa Remedy in the drinking water kills the specific organism which causes the disease and saves the little batch. Use it as a preventive when hens are laying, because it will then prevent this deadly organism from developing in the egg. Even after the disease gets a start, chicks can be treated with this White Diarrhœa Remedy in the drinking water.

Price 48 oz pkg.....$0 50

MILK OIL DISINFECTANT

As a general disinfectant and cleaner stands without an equal.

Infallable destroyer of all vermin and disease germs. Certain eradicator of insects and diseases of all animals. Kills cockroaches, waterbugs, ants, etc.

Pint.....$0 25
Quart..... 40
½ gallon..... 75

ZENITH FLY KNOCKER

A sure and effective remedy against flies and mosquitos; also lice, screw worms and horn and blow flies.

It kills lice when applied to horses, cows and other animals.

It prevents inflammation and fly-blows and causes wounds to heal quickly.

It keeps flies out of stables.

It makes stock fatten better.

It is considered the best remedy in use for cuts, scratches, burns, scalds, flesh wounds, old sores, etc.

It keeps flies away and kills maggots where sores are infected with them and heals quickly.

Quart size.....$0 50
½ gallon..... 75
1 gallon..... 1 25

ROUP CURES

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventative for colds, sore mouth and canker, sore eyes, sore breast, back or shoulders, cracked heels, trush, wounds, cuts, sores, saddle galls and roup.

Large bottle.....$0 50
Small bottle..... 25

VAUGHAN'S ZENITH ROUP CURE

Our Roup Cure is a positive and dependable remedy for this dreaded disease in all its forms and stages. It also prevents and cures colds and canker in poultry and pigeons. It is administered by dissolving it in the drinking water of the fowls, as per printed instructions which accompany each package.

Large size, each $1 00 Small size, each $0 50

VAUGHAN'S MAGIC LIQUID ROUP AND CHOLERA CURE

Every poultry raiser should have a can of it; not wait until the roup makes its appearance. It will be found a good preventative if a small quantity is put in drinking water.

½ pint can.....$0 25
1 pint can..... 50

CONKEY'S ROUP CURE

Will positively cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds and is unequalled for canker, especially in pigeons. One 50-cent package makes 25 gallons of medicine.

Small package, by mail, prepaid..$0 50
Large package, by mail, prepaid.. 1 00

VAUGHAN'S ZENITH ROUP PILLS

A RELIABLE REMEDY

The most effective Roup Pills on the market.

Small box (50 pills).....$0 50
Large box (120 pills)..... 1 00

CONKEY'S POULTRY TONIC

This Tonic is a remedy especially valuable for fowls run down, off feed, recovering from disease or during moulting season. It is also excellent for little chicks which do not seem to thrive. This is made to meet a growing demand for a tonic to be given in cases which are not thoroughly classified or understood. It is a general invigorator, quickly bringing birds to a normal condition.

Price.....$0 25
Postpaid..... 30

CONKEY'S GAPE CURE

Per can.....$0 50

CONKEY'S SCALY LEGS REMEDY

Per can.....$0 50

SPRATT'S PUPPY CAKES

Per carton.....$0 25

SPRATT'S DOG BREAD

Per carton.....$0 25

VAUGHAN'S SONG RESTORER

Our Song Restorer for Birds is made from a famous English recipe, and it contains all the ingredients which help to counteract all colds and hoarseness. It also encourages color and growth of the plumage.

Price, per pkg.....$0 15

We have facilities for supplying all other reliable Bird Seeds and Foods in any quantity, free from dust or adulterations, such as Canary, Rape, Hemp, Flax Seed, German Millet and Large Yellow Millet.

Prices on application.

WIRE HEN'S NEST

These nests are strongly made from heavy wire, and will last a lifetime. There is no room on them for lice to find a lodging place, and they are easily kept clean.

Each 15c, ½ doz $0 75
1 doz..... 1 50

PORCELAIN NEST EGGS

Porcelain. These eggs are best flint glass, white, and will last a lifetime.

3c each, 2 for 5c, doz 25c, gross $2.50.

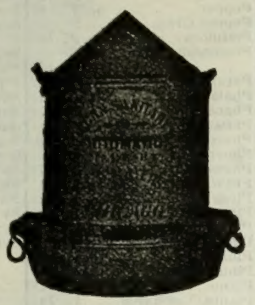
Knox's Medicated. Effective, lasting. Just the thing to chase the lice from laying or setting hens and clear the nests of vermin. Retains its strength, but gradually reduces in size.

6c each, or 60c per dozen.

AMERICAN PIPE SYSTEM FOUNTAIN.

As the cut shows it can easily be arranged in series to supply any number of pens by piping either way. The greatest labor saver known. Will not tip over. Is perfectly sanitary in every respect. Positively automatic in action. It can be cleaned in a minute. The water remains perfectly fresh as it is not confined with foul air as in some other makes. Price, each, $1.50, 6 for $8.60, 12 for $16.90

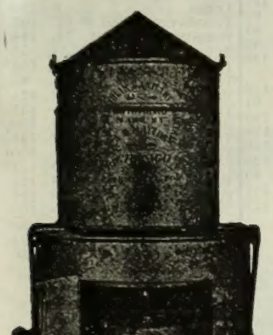
AMERICAN SANITARY FOUNTAIN.



The greatest labor-saver known. Is filled at the top; will not tip over or drown the chicks. Is perfectly sanitary in every respect. Positively automatic in action. It can be cleaned in a minute. All parts are made from the very best galvanized iron, and will last a lifetime. For either poultry or pigeons. Water remains perfectly fresh, as it is not confined with foul air, as in other makes. In fact, it is the BLUE RIBBON Fountain. It leads them all.

Prices—3-qt., 75c; 6-qt., $1.00; 8-qt., $1.25.

AMERICAN WARM WATER DRINKING FOUNTAIN

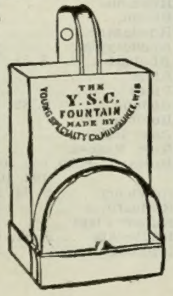


This cut shows the American Warm Water Drinking Fountain complete. In the heater, beneath the fountain, there is a small lamp, in which can be used kerosene or alcohol. This lamp will hold sufficient oil to burn 24 hours. This heater does away with frozen fountains, which cause so much trouble all winter.

PRICE

No. 1.....$1 50
No. 2..... 2 00
No. 3..... 2 50

VAUGHAN'S PIGEON AND POULTRY FOUNTAIN.



This fountain is made of heavy galvanized tin which will not rust and is so constructed that it can be placed on the floor of the loft or hung on the wall to be reached easily by the pigeons.

The bottom is fastened by hinges on the back of the fountain and closes up at the front by a spring on each side. In front is an arch to keep dust and dirt from entering the water.

Price: ½ gal. size, 50c; 1 gal. size, 75c; 2 gal. size, $1.25.

PEERLESS HEATER

It is an acknowledged fact that poultry will do better and lay more eggs in winter if they can have water that is not ice cold.

In offering the Peerless Heater for sale we give an opportunity to every poultry raiser to improve the condition of his fowl and increase his egg yield with very little extra work and at a small expense.

The Combination Peerless Fountain when in use should be hung to the wall either by back strap or bail, which makes it absolutely safe.

Price.....$1.60

PRAIRIE STATE FOUNTAIN.

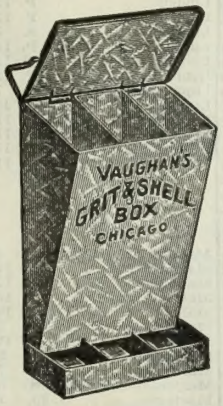
These fountains are made of galvanized iron and so constructed that fowls can get at all sides of it. It is entirely round, as shown in cut. Made in four sizes.

Prices:	Each	Doz.
1-quart	20c	$2.00
2-quart	25c	2.50
1-gallon	35c	3.25
2-gallon	50c	4.75

VAUGHAN'S EARTHENWARE FOUNTAIN

For anybody who desires an earthenware drinking fountain these founts are not excelled for poultry and pigeons. They will keep the water cool and clean and are so manufactured that it is impossible for chickens to get wet or drown while using them. They are easily filled; never tip over and never get out of order. Terra cotta in color. The saucer is glazed, but the fountain is not. Made in three sizes.

Prices: 1-quart, each 20c; doz., $2.25. 2-quart, each 30c, doz. $3.35. 4-quart, ea., 40c; doz., $4.50.



VAUGHAN'S "SANITARY" SELF-FEEDING BOX.

Three spaces. Made of heavy galvanized iron. Will last a lifetime. Saves waste. Hangs on a nail. Holds four quarts. Soon pays for itself. Neat, cheap and convenient. Try them.

Price, 50c; per doz...$5.50

WOODEN FEED OR GRIT BOX.

This box is made of wood with only one space. Fine for dry feed.

Price.....35c

VAUGHAN'S DRY FOOD HOPPER

Two spaces, made of heavy galvanized iron. For beef scraps and grain.

Price, each, 75c; per doz., $8.50

HUB CHICKEN FEEDER

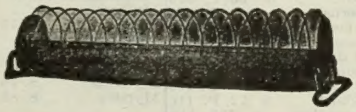
Absolutly sanitary; keeps feed clean and dry. Chicks cannot get into it, and cannot waste the feed. It is a money saver, and every poultry raiser should use it. Made in two sizes.

Price, 9-in. Feeder....35c 15-in. Feeder.....50c

AMERICAN FEED PAN OR WATER TROUGH.

PRICES.

No. 1—Size, 18 inches long.....$0 50
No. 2—Size, 24 inches long..... 75
No. 3—Size, 36 inches long..... 1 00



THE EYRIE EGG BOX

Strength—The box is so firmly braced by the Corrugated Partitions that it stands a weight of 1000 lbs.

Handle—Prevents the putting of anything on top of box.

The Lock—The insertion of the handle automatically locks the box. It cannot be tampered with in transit.

Dead Air Cells—The eggs are completely surrounded by Double-Faced Corrugated Paper, which provides a dead air-space, effectually preventing their chilling in the coldest weather.

Saving of Time—You can pack twenty of these boxes in the time it takes to pack one basket.

	15-Egg Size	30-Egg Size
Each	$0 20	$0 30
1 doz	1 35	2 25
10 doz	1 20 per doz	2 00 per doz.

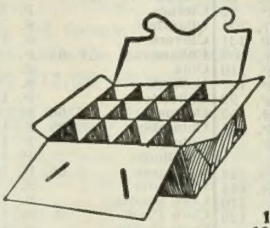
RELIABLE EGG CARRIER.

The most complete egg carriers on the market, holds 12 dozen eggs. It is equipped with an adjustable cover and a patent combination lifter and fastener, just the thing for the farmer and poultry man. It is so arranged that when only one dozen eggs are placed in it the lid can be dropped down and fastened just the same as though it was full of eggs. When a farmer or poultryman wishes to save his eggs for market this carrier is what is needed. It is equipped with the very best heavy A. No. 1 fillers.

Egg Carrier.....each, 50c. Per doz.....$4.25

THE ONTARIO EGG CARRIER

Square Style.



This is the most practical egg carrier on the market. It is shipped set up and nested ready to receive the contents. Packed 250 in a bundle, shipping weight, 28 pounds per 250. Price:

Per doz.....$0 15
25 for..... 30
50 for..... 50
100 for..... 85
1000 for..... 8.00

CLIMAX POULTRY NETTING.

Made with three-strand selvages. Galvanized after weaving. Strongest poultry netting made in the world. Put up in bales 150 feet long.

Prices per Bale, F. O. B. Chicago. Five bale lots delivered free of freight when rate does not exceed 50c per 100 lbs.

Width	3-in. Mesh No. 18 Wire	2-in. Mesh No. 19 Wire	1-in. Mesh No. 20 Wire
12 inches	$	$1 00	$2 05
18 "	.....	1 45	3 10
24 "	1 90	1 85	4 10
30 "	2 35	2 35	5 10
36 "	2 80	2 80	6 25
42 "	3 25	3 25	7 25
48 "	3 75	3 70	8 25
54 "	.....	4 20	.....
60 "	4 65	4 65	.....
72 "	5 60	5 55	.....

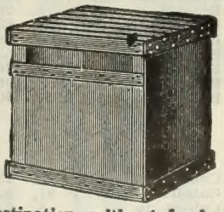
Note:—Blank spaces indicate wire is not made in those meshes.

VAUGHAN'S EXHIBITION COOP.

Made of the best selected material; strong, neat and durable. Front is ¼-inch round iron bars, the top, ends and back are heavy canvas, and there is a strong canvas curtain that fastens down in front for shipping to protect birds from cold and drafts. It has a narrow door full length at the bottom for cleaning. Door full height. Nicely painted.

Price for trio size.....$2.00
Pen size..... 2.25

ALL-WOOD SHIPPING COOPS.



Considered one of the best on the market. A closed coop made of light lumber having a two-inch opening in front and back under slated top so as to give fowls plenty of fresh air when shipping them. Birds shipped in this coop are in no danger of smothering, free from heat of steam pipes, drafts on depot platforms, and arrives at destination without having their plumage harmed. Made in the following sizes:

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	$0 30	$3 25
2	18	18	18	35	3 75
3	12	21	21	35	3 65
4	18	21	21	40	4 50
5	24	21	21	50	5 50
6	30	21	21	55	6 00

☞ **The Poultryman** desiring expert advice on poultry culture should be able to secure desired information from books listed on page 154.

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VAUGHAN'S GLADIOLI SPECIALTIES FOR 1912

BEST OF ALL THE NEW GLADIOLI

We are growers of Gladioli in a large way and are introducers of the most popular new varieties. The five named Gladioli described below, and shown in color on the back cover page, are the most popular sorts grown either for cut-flowers or for borders and backgrounds in the garden. The even gradation of coloring from the lavender-streaked pure white of the Chicago White down through the pinks of Kunderdi "Glory," America and Mrs. Francis King, to the brilliant scarlet-crimson of Princeps, makes a combination that lends itself to most charming effects.

NEW TYPE OF GLADIOLI KUNDERDI "GLORY"

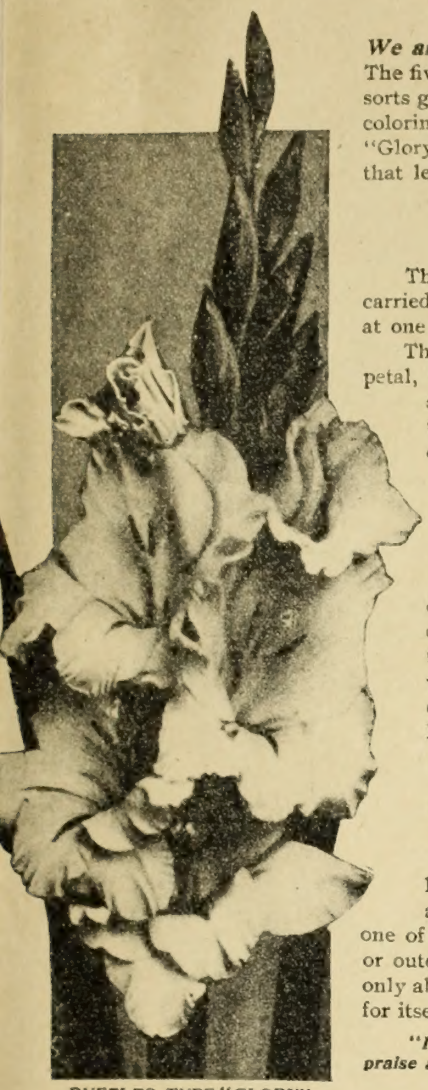
WITH "RUFFLED" PETALS

The broadly expanded, wide open flowers, paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted.

The color is a delicate cream pink, with amost attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over. It is claimed by the grower, who has worked out this type, that later on he will have a wide range of colors in this class. He claims distinctness in form, even as the "Spencer" types of Sweet Peas exceed the old forms.

" 'Ruffled Glory' is in bloom. Grand does not express it. It is the 'sans pariel' of all gladioli."—L. Merton Gage.

Price, each 15c, doz $1.50, per 100 $12.00 prepaid.



RUFFLED TYPE "GLORY"

VAUGHAN'S PRINCEPS

Princeps has more than verified, by its wonderful popularity in both Europe and America, the claims made by us in introducing it in 1903. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties that all combined place it in the front rank. The flowers are 5 to 6 in. broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three broad white blotches on the lower petals. Spikes 4 ft. in height produce 12 to 15 flowers, opening in succession, forming continuous bloom for two weeks.

" The most magnificent of any Gladiolus I have ever seen."—L. Burbank.

Price, each 15c, doz $1.65 prepaid.

CHICAGO WHITE—Novelty of 1912

The flowers are well expanded, well placed upon the stalk, pure white with faint lavender streaks in the lower petals. In form they resemble the Childsii type. They are borne on tall straight stems and from 5 to 7 flowers are open at one time. It is one of the **earliest** varieties to bloom, hence valuable as a cut-flower sort, either for forcing or outdoor planting. A few bulbs only were disposed of by the grower last year and we are only able to offer a few thousand bulbs this season. Chicago White is sure to make a name for itself as soon as the crop increases sufficiently to give it general distribution.

"I consider Chicago White the best white Gladiolus. Wherever shown it wins enthusiastic praise and its popularity is assured beyond question."—J. B. Deamud, Chicago.

Price, each 25c, doz $2.50 prepaid.

MRS. FRANCIS KING

This has become the most popular and effective variety for window, store and hotel decorations. It is a strong grower, vigorous and healthy. The long, strong flower stalks with foliage, and its effective flower spike with a good line of reserve buds continually opening and with flower 4½ inches across, and five to six flowers well spread out on the spike at the same time, gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other Gladiolus. The color, brilliant Flamingo pink blazed with vermilion red, is most effective both in daylight and under artificial light. As a seller in flower stores it has brought better prices than any other kind except America, which, with its soft pink color, excels Mrs. Francis King for floral design work and for that only.

"My 'Mrs. Francis King' have been a sight to behold. Planted late, about June 8, they are still beautiful, the most satisfactory Gladiolus that I know of."—Mrs. W. A. Bahlke, Alma, Mich.

Price, each 6c, doz 50c, per 100 $3.50 prepaid.

AMERICA

This beautiful variety with its soft lavender pink color, its full symmetrical spike, with its rounded double row of many flowers in bloom at one time, has been accepted with great enthusiasm by the cut flower growers; they found the blooms not only very popular with the public as cut flowers but that the bulbs could be planted in greenhouses in winter and thus bloom very early. It has had a very large sale, and will probably this season be more in demand than any other named sort, not even excepting Mrs. Francis King. Our bulbs are mainly of the introducer's stock and are sound and healthy. Has received many exhibition honors.

"The Gladiolus America supplied by you last spring, I must say, were exceptionally fine—the best I have ever seen of this variety."—J. R. Clarke, Gardener to H. L. Hollister, Rogers Park, Chicago.

Price, each 10c, doz 75c, per 100 $5.00.

MRS. FRANCIS KING

THE VAUGHAN VARIETIES GLADIOLUS COLLECTION "AG"	
One each of above Gladioli (5 bulbs)	$0 65
Three each of above Gladioli (15 bulbs)	1 75
Five each of above Gladioli (25 bulbs)	2 75
Ten each of above Gladioli (50 bulbs)	5 25
Prepaid to any address in the United States.	

VAUGHAN'S GLADIOLI

These easily grown flower bulbs are now attaining tremendous popularity, well deserved. Successive plantings give continuous bloom, ***brilliantly colored.*** Large and strong in flower and stalk, it is used for borders, back grounds, interior decorations and vase blooms. ***Rapid in growth and prolific in propagation*** they are a source of joy to the amateur and of profit to the professional. On this page we show five varieties, which should be in every garden. ***For descriptions, prices and special offers see inside back cover page.***

AMERICA
(TWO THIRDS NATURAL SIZE)

PRINCEPS
(ONE-HALF NATURAL SIZE)

VAUGHAN'S SEEDS
-1912-